The National Locksmith

The National Locksmith®

December 1993
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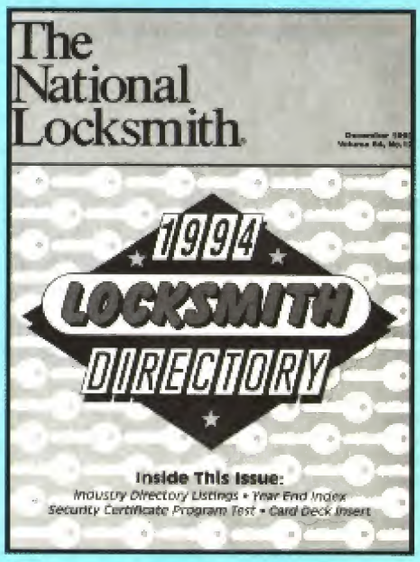
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On The Cover

This month's issue brings a comprehensive guide to the companies in the locksmith industry. This is certainly an issue you will want to save for reference all during 1994.

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COMMENTARY

Crime Prevention is available as your instant marketing program!


Marc Goldberg
Editor/Publisher

It's a miracle! You might notice a slight change in my appearance in my new photograph in this month's magazine. I have been trying to tell people that my new hair is the result of a Chemlawn accident. Was I accidentally sprayed by fertilizer? Did my hair then begin to grow like crazy? No such luck. For those of you who might ask whether that is *my* hair, I will say, of course it is. I bought it, and I paid for it! Of course it's mine.

Last month we spoke about our new consumer magazine called *Crime Prevention*. This new magazine will be be written for the public, and it is all about how they can prevent themselves from becoming the victim of crime.

You and I both know that the locksmith is the professional best positioned to provide crime prevention products and services to the consumer. The problem is that the average person knows very little about what you do for a living. *Crime Prevention* will solve this problem. 250,000 copies of this news-magazine will be circulated four times per year. They will be available to the consumer on a subscription basis, on the newsstand, as well as two other ways.

Thousands of police departments around the US have contacted us to request copies of the publication to distribute in their communities as part of their crime prevention programs. This is great because the police will actually become our partners in helping to educate the consumer about how to prevent crime, and how the locksmith is an important resource in this area. And we are now making bulk copies of *Crime Prevention* available to you, the individual locksmith, to use as your very own instant marketing program.

In this issue, we feature an article by Jake Jakubuwski telling you many ways in which you can use *Crime Prevention* to create an instant marketing program for your own locksmith business. An advertisement also appears on page 29, inviting you to order your own set of copies of *Crime Prevention* to use in marketing your business.

You will be able to order sets of 100 copies of the publication for a very nominal cost. There will be space provided for you to imprint your company name, address and phone number right on the front cover. Then we suggest you give these copies away to customers, prospective customers, and others in your community. You can even drop a few copies off in doctors' waiting rooms in your area.

People will be fascinated to read about the many ways they can protect themselves from the full range of crime happening today. Much of the material will explain the locksmith's role in providing this security. When people in your area read of all the practical steps they can take to secure their homes, lives and property, who do you think they're going to call? You, of course, because your name and phone number is imprinted right on the front cover of their copy!

Each copy of *Crime Prevention* will carry a cover price of $1.95. (Of course, you pay only a tiny fraction of that amount.) So when you give a copy to a customer, they will value that copy and they will pass it around. Think of the tremendous exposure you will receive from this massive campaign! Certainly, this will have good results for the entire locksmith industry, and for your company.

Be aware that there are a limited number of copies available, and that you will have the best chance of receiving your order of the first issue if you send in your request immediately. *Crime Prevention* will be published quarterly, with the first issue coming out in March of 1994. This gives you the opportunity to use the publication as your own personal, effective marketing campaign without doing anything more than stamping your information on the front cover.

Imagine the possibilities! What the locksmith industry has needed for a long time is just around the corner. We *can* and we *will* educate the public about the locksmith's important role in their personal security.

Marc Goldberg

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SEROOGY SPEAKS

Notes from the Managing Editor



by
Tom Seroogy

I fastened the seat belt and sat back. The low rumble of the engines elevated to a high pitched squeal, the tires thumped the runway, and I was firmly pressed back into my seat as the jet lifted from the ground. Finally, I was on my way to Jamestown, North Dakota; invited by the Northern Prairie Locksmith Association (NPLA) to teach a foreign auto seminar.

Now, I had no idea what to expect, that is, until the passenger next to me and I started talking. It seemed his work made him really familiar with the Dakotas and surrounding states.

"Nothing there but wasteland and buffalo," he piped.

"Yikes, what am I getting myself into?" I thought.

"Yeah. In some areas you can't even drive your car down the street. The buffalo are standing everywhere, blocking your way." He continued.

I felt a headache coming on.

"I even remember when I was driving behind a car load of young people trying to get a picture of a buffalo as the herd blocked the street.

"They couldn't get its attention so they started beeping their horn." He pumped one hand on an imaginary hornpad.



Red and Dee Scheer hang on to one of the few buffalo that crossed my path.

"City kids." I thought, my eyes began to hurt.

"The buffalo got mad, looked at them and charged the car. It hit them eight or nine times and crushed all their fenders and doors in. Almost flipped their car over. It was pretty funny." He finished.

"Yeah, a real party," I added facetiously, rubbing my temples.

After making a quick pitstop in Minneapolis, Minnesota, we landed in Fargo, North Dakota. Needless to say, someone must have cleared the buffalo from the runway (I didn't see any) and we pulled up to the gate. Despite any preconceived ideas I may have had, the terminal, although smaller than Chicago's O'Hare, was clean and modern. In fact, the only noticeable differences were the the size, it only has three gates, and the people, they were friendly.

I began to question my neighbor's "wasteland and buffalo" description. After meeting my ride to Jamestown, Red and Dee Scheer of the NPLA, my headache disappeared.

The ride from Fargo to Jamestown was a fast one. Along the way, Red and Dee stopped for my only view of a buffalo, further dispelling the rampaging buffalo image. And while North Dakota may be flat (it's said that by stepping on a soda can you can see the Sears Tower in Chicago), meeting the rest of the association members allayed the "wasteland" designation.

The seminar? A success! The people? Tremendous! North Dakota? Can't wait for the next trip.

Now the reason I bring this particular trip up is this: Tenacity!

As a member of the Greater Chicago Locksmith Association, I often find myself wanting to make excuses for not attending the meetings or participating. To date, the biggest excuse I have is the bad traffic.

Yet, here is a group of people who travel for hours and hundreds of miles to learn, to make themselves better locksmiths. NPLA I salute you and the hundreds of associations just like you. (Next time I want to ride a buffalo!)

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LETTERS

Comments, Suggestions and Criticisms

The National Locksmith is interested in your view. We do reserve the right to edit for clarity and length. Please address your comments, praise, or criticism to Editor, *The National Locksmith*, 1533 Burgundy Parkway, Streamwood, IL 60107. All letters to the editor must be signed.

Reader Finds Quorum Faultless

Dear Marc:

Our business will be five years old this year and you've been there the whole while. The National Locksmith has provided good reading and information for us since we started in 1989.

I'm writing to express my consternation at a problem my fellow locksmith in Nevada is experiencing with a distributor of Quorum products.

I am a Quorum independent distributor and so what I do reflects on all of Quorum just as a "behind the times" locksmith reflects on all of us by not keeping up with the current products, practices and tricks of the locksmith industry.

The independent distributor is the one with which the problem lies, not Quorum International Limited.

If you have a problem, call customer service at 602-780-5533 and explain the problem to them. If they can't help, call me and I'll be your mediator. I'm in the current ALOA directory.

Quorum is faultless. Please don't condemn the bunch because of one bad banana.

Locked-in on a good thing,

Craig A. Toocheck
Pennsylvania

Servicing The Customer

Dear Marc:

The job of the locksmith is to solve our customer's security problems.

This statement may seem to be self-evident, but it is so easy to get caught up in the routine of going from call to call that we can forget this. When a customer calls us to provide an answer to his security needs, it is our responsibility to make sure that he is asking the proper questions.

Here are three common examples: A homeowner calls us to rekey his house. A small businessman wants his employee entrance rekeyed. A minister wants a new lock for the door to the church office.

These situations may seem to be pretty straightforward, but is this what the customer really needs? If you go out and do only what the customer requested, are you really solving their problems? The more professional approach would be to find out not only what they want, but also what they are trying to accomplish.

By asking some basic questions you can find the reason for their requests. The homeowner's teenager keeps losing the key. The small businessman wants his employees to have free access, but is concerned about unauthorized people entering. The church has lost track of how many master keys are out.

These are not unusual situations. How would you solve them? For the homeowner, a better solution might be the installation of a keyless lock. The small businessman might be better served with a high security cylinder. In some applications, an access control lock or card reader would be more appropriate. The church may be best off with a new master key system.

The point is to look for long-term solutions rather than the quick fix. Additionally, while you are on-site, take the time to locate and point out other potential security and life safety risks. A few solutions for improving security which also bring you added sales are:...For the homeowner ...auxiliary locks or charley-bars for patio doors, deadbolts or surface bolts for basement doors (to prevent small children from opening the door), window locks, alarm systems, changing the frequency of the overhead garage door opener (a very simple procedure).

...For commercial/industrial customers...latch guards for exterior doors, high security cylinders, access control locks, stand-alone exit alarm locks, exit devices on high traffic doors, dummy cylinders for doors where access from outside is not required, heavy-duty deadbolts for warehouse doors, alarm systems...

This list could go on and on, but these are just suggestions. It is your job to find a product which will fit the particular situation. High pressure sales tactics are not required and should be avoided. The customer will not always give you the approval to correct these problems, but they are now aware of them. They will recognize that you have their security needs in mind and will remember this next time they need a locksmith.

The next time the phone rings, remember that you are not there to just service a lock: you are there to service a customer.

Steve Gebbia
Illinois

Making The Public Aware

Dear Marc:

In recent months, the Northwest Locksmith Association has embarked on a public relations project, that is designed to make the public aware of locksmithing and its participants. Since we are aware of a squeeze being applied by mega-corporations to undermine the locksmith trade and diminish its worth and effectiveness, we are in the process of appealing to all those associated with locksmiths. While one of the objectives would be public education and awareness.

It seems to us that we are not alone in having arrived at our conclusion

Continued on page 180

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TECHNITIPS

Helpful hints from fellow locksmiths

Send in your tips and win.



by Robert Sieveking

HOW TO ENTER

All you need to do is submit a tip, covering any aspect of locksmithing to ***The National Locksmith.*** Certainly, you have a favorite way of doing things that you'd like to share with other locksmiths. Why not write it down and submit it to: *Robert Sieveking, Technitips' Editor,* ***The National Locksmith****, 1533 Burgundy Parkway, Streamwood, IL 60107.*

Tips submitted to other industry publications will not be eligible! So get busy and send in your tips today. You may win cash merchandise, or even one of many key machines or code book sets. At the end of the year, we choose the winners of the listed prizes. Last year dozens of people walked off with money and prizes. Wouldn't you like to be one of the prize winners for 1993? Enter today! It's a lot easier than you think.

EVERY TIP WINS "LOCKSMITH BUCKS!"

Yes, every tip published wins a prize. But remember, you must submit your tip to ***The National Locksmith*** exclusively. Each and every tip published in Technitips wins you $25 in Locksmith Bucks! Use this spendable cash toward the purchase of any books or merchandise from ***The National Locksmith***. You will also receive a Bonded Locksmith bumper sticker and decal. Plus you will be eligible for really big prizes.

BEST TIP OF THE MONTH

If your tip is chosen as the best tip of the month, you will win $50 in cash as well as $35 in Locksmith Bucks! Plus you will receive a Bonded Locksmith bumper sticker, decal and a Locksmith cap. And, you may win one of the annual prizes.

These Prizes Awarded Each Month!

- All-Lock A 7000 VATS Decoder
- HPC Pistolpick
- Silca Rubberhead Keyblanks (100 Blanks)
- ESP PR-13 Professional Lock Pick Set
- Sieveking Products EZ-Pull GM Wheel Puller
- Fort Lock Backer Board Display Panel

Submit your tip and win!

There are also two new additions to the year end prize list:

- 10th Prize: AccuMark key and lock stamp
- 11th Prize: Identa-Key Key Emboser

(See page 10 for complete list of year end prizes.)

December's Best Tip

This is a technitip that describes a method of removing mortise cylinders that have malfunctioned or which are not economical to defeat by conventional methods. This Technitip allows the locksmith to remove a high security cylinder without obvious or serious damage to the surrounding wood or metal trim. This is a wrenching tool that will not damage the door. Having used the tool a number of times with good success, I feel that it would be a safe alternative for most locksmiths that are faced with the need to remove a mortise cylinder.

Illustration one shows two large washers. Washer umber one is a template. Washer number two is the force tool. To make the tool, , you will need two large diameter heavy steel washers. The washers are clamped together and the locating holes drilled through both at the same time. Drill two 1/16" holes through the pair, 3/4" apart, as you see in Washer #1. This completes washer number one, and accurately lays out the hole pattern for washer

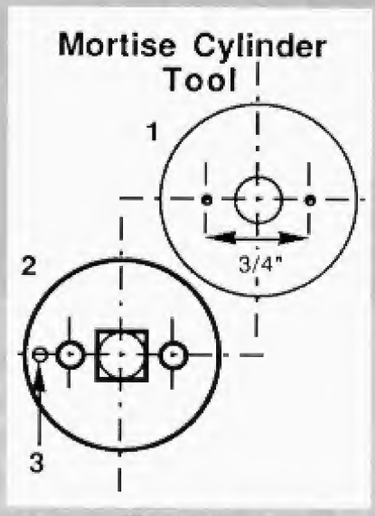


Illustration 1

number two, at the same time. Enlarge the 1/16" pilot holes in washer number two to 3/16" and hand file the center hole to accept a 3/8" square drive ratchet or breaker bar. You will also need a couple of 3/16" drive pins.

To use the tool, place the template washer over the lock cylinder, and drill two 1/16" holes

Continued on next page

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into the face of the lock cylinder. You may want to drill the first hole, and place a 1/16" pin through the template, into the drilled hole, to prevent the template from shifting as you drill the second hole. This will insure that the hole layout is accurate. Remove the template and enlarge the 1/16" holes to 3/16". Place the second tool, the force tool, over the drilled holes, and drive the roll pins through the tool and into the face of the lock cylinder. Insert the 3/8" breaker bar into the square hole of the tool. Apply turning torque, in a clockwise direction, then counterclockwise. This will cause the set screw of an Adams Rite lock to either break or be forced out of its threads. Use this back and forth motion to unseat the set screw before you begin to unscrew the cylinder. This will help to prevent damage to the threads of the lock case. In the case of other mortise locksets, the cylinder retaining fork may be fractured, or the screw tip deformed by this rocking motion. When you feel that the retainer is as loose as it's going to get, unscrew the cylinder from the door. Use a mortise cylinder thread chasing tap, in the lock case, to repair any damage done by forcing the cylinder.

A third hole may be drilled in the force tool, at the edge of the cylinder, that would be used as a drill guide for a bit to drill off the cylinder retaining screw. This would help to insure safe removal of the cylinder, and further reduce the chance of damage to the lock case. For some lock cases, the third hole could also allow a pin punch to punch off the cylinder retaining screw.

This method also allows the cylinder and pins to be examined after the lock is removed., should you want to make a key to fit other cylinders in the system.

Fred Hellings
New Jersey

ALL-LOCK VATS DECODER WINNER

I have not seen any information on the National Lock C9160/C8161 drawer lock, so I thought your readers would find the following information useful. This Technitip concerns the service procedures that I have found necessary in servicing these locks. These locks are used in the teller cash stations of a local bank. The locks are used on Diebold and possibly other money or till drawers.

To remove the lock cylinder, (National C8160), from the bolt housing (National C8161), you will need a cylinder removal key, as shown in illustration two. A flat steel blank can be used to make the removal key, using the dimensions given in the illustration. With the lock bolt "up," in the locked position, insert the key in back of the bolt housing and turn the key ninety degrees clockwise. This will release the cylinder. To recombinate the drawer lock, standard procedure would be to simply insert a new cylinder into the lock body. The lock is designed to have the cylinders replaced, much as you might replace a removable core type cylinder.

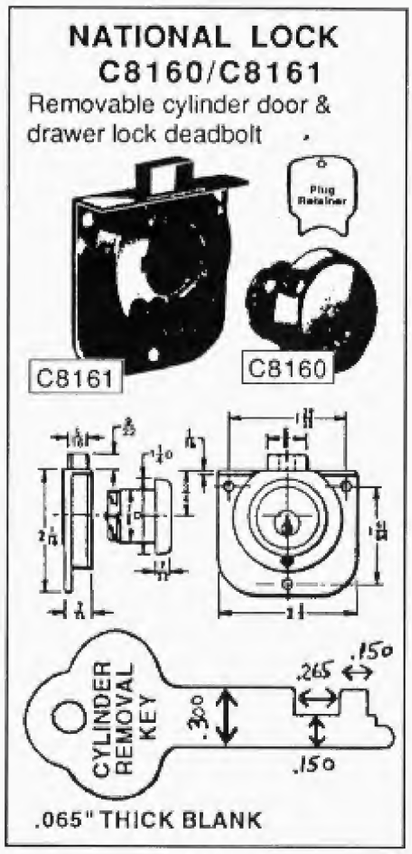


Illustration 2

To service the cylinder, the plug is removed out the rear. To remove the plug, the plug retainer must first be pried out of its slot. The plug retainer, shown in the illustration, is located at the top of the cylinder, behind the last tumbler. The cylinder will have to be picked, or the head cut off the operating key. With the plug turned, follow it out of the cylinder with a hollow .390" follower. The pin diameter used in these cylinders is .100". A special "small cylinder" National Lock pin kit is available to service them. There is a brass rotation limiting pin in a slot in the end of the plug that will drop out as the plug is removed. Be careful to observe its location and not loose it as you remove the plug. Replace it when reassembling the cylinder.

The tip of a National Lock key is cut away at the bottom, much like a Best key, to allow it to fully enter the plug when the cylinder is in place. Insure that the blanks you use are cut away. If they are not, the key will not fully enter the plug or operate the cylinder.

With this information, and the depth and space information shown in table three, you should have no trouble servicing these cylinders. Good luck.

Clarence Martin
Georgia

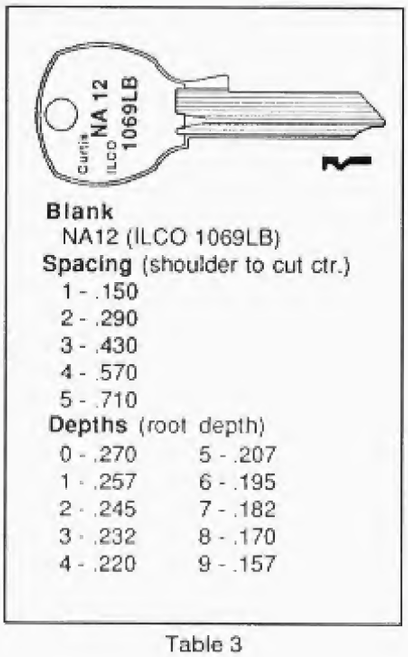


Table 3

HPC PISTOLPICK WINNER

This Technitip concerns a method I used to fish a wire above a suspended ceiling. If you install a security system, an electric strike or latch release in a building which has suspended ceilings, this Tip could be a real time and labor saver.

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I had to run a wire approximately thirty five feet, over a suspended ceiling. To eliminate the necessity of removing any number of tiles, and moving a ladder through the crowded store, I decided to launch a string across the ceiling, with a sling shot, and use the string to drag the control wire above the ceiling. A small 1/4" bolt was tied to the end of a piece of kite string, and a heavy rubber band used to launch the bolt over the ceiling. This is an old alarm installers trick.

Fred Spencer
Pennsylvania

Silca Keyblanks Winner

Our Company in London are predominately vehicle lock specialists. One of the most difficult jobs we deal with is the removal of a Mercedes ignition cylinder. Some are removed because of damaged or worn tumblers, some by reason of lock malfunction, and some because of lost keys. The hardened lock face must be drilled with carbide drill bits. We sharpen the bits on four angles, to form a spear type point. This allows us to have the greatest grip , as it is near impossible to use a centre punch on the hardened lock face. The first drill bits to penetrate the face should be about 1/8". These holes are then enlarged to 7/32". They are placed as you see in illustration four, above and below the keyway. To gain the longest life from the drill bits, drill both holes until they are about to break through the face, before actually breaking through. Because of the irregular ridge on the underside of the lock face, the drill bits are likely to be broken as they break through the face.

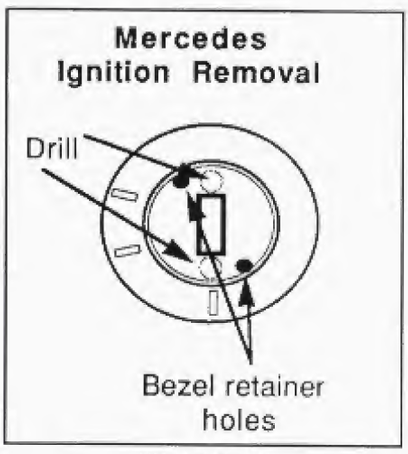


Illustration 4

Once the holes have been drilled through the face of the cylinder, the tumblers can be shimmed to allow the plug to rotate to the on position. A special tension tool should be made for this very large keyway, as most conventional tools will be found too small for the purpose. With the cylinder plug in the on (run) position, a looped piece of wire is used to depress the bezel nut retaining lugs. Both retaining lugs must be depressed at the same time, to allow the bezel nut to be unscrewed and the lock cylinder removed.

This is a very difficult job, but it can be very profitable . All you need is the right tools and the determination to see the job through.

G. Watts
England

ESP PICKSET WINNER

I was called out to do a job on a 1993 Eagle Vision. The key was broken off in the ignition. This Technitip is the method I used to solve the problem. The '93 Eagle Vision, Chrysler Concord, and Dodge



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Intrepid use the new module ignition cylinder.

I tried to remove the broken key by normal methods, but decided that the ignition would be much easier to service if it were removed. The large retainer is below the column, and the cylinder must be in the on position to allow the retainer to be depressed. The retainer is very large, and the hole it fits into has a lot of room to move around. When I touched the retainer it would jiggle, so I tried to pry it out with two small screw drivers. It came out far enough to get a grip with a pair of needle nose vise grips, ant the grips completed the retainer removal. The ignition then slid out of its socket. There was no need to drill or deface the column or lock cylinder, and I was easily able to repair the retainer once the ignition was out. With the ignition out of the column, the broken key was jarred loose and hooked out of the keyway. A new key was made for the cylinder, using the broken key as a pattern, and the same cylinder was replaced into the auto. (Use 1200CM code card X-60 for these cylinders. Card X-59 will not work.)

The retaining lug on the ignition cylinder is held in place by a small flat piece of spring steel. Extracting the retainer will bend the spring, but it can be easily straightened, and the retainer replaced into the ignition cylinder. I found no code numbers on the ignition cylinder, and a working key is required, to disassemble the cylinder.

Tom Tusing
Florida

E-Z PULL GM WHEEL PULLER WINNER

Many times, when using an under window car opening tool, I find that the longest tools will not have enough structural strength to move a stiff lock button. Because of the length of some of the newer tools, they are at the limit of their strength to move and unlock the door. My solution to this problem has been to insert a second under glass tool into the door, to work together with the first, to move the button. The second tool might be too short to reach a lock button which is very low on the inside of the door, but it can hook or push against the longer tool, to move the linkage and unlock the door.

R. Lazich
Wisconsin

FORT LOCK DISPLAY BOARD WINNER

I have been working as a locksmith only a short time. I am currently working on a master system which uses the Corbin Russwin Hotel Motel cylinders. Loading top pins and springs is pretty straight forward. I have little problem with it, but loading the smaller limiting pins, as you see at "A" in illustration five, can be a real challenge. My Technitip is for a special plug follower, which holds these smaller pins for assembly. I filed a small groove in the rear of my plug follower, to hold the pin. After one pin is installed, the follower is "rotated" to

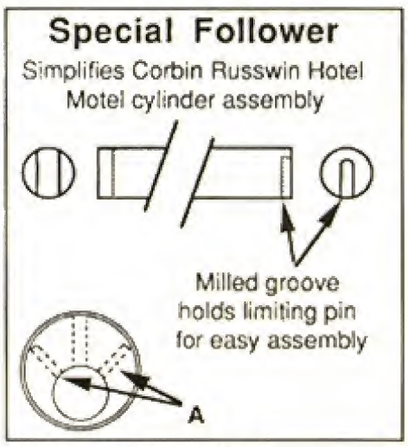
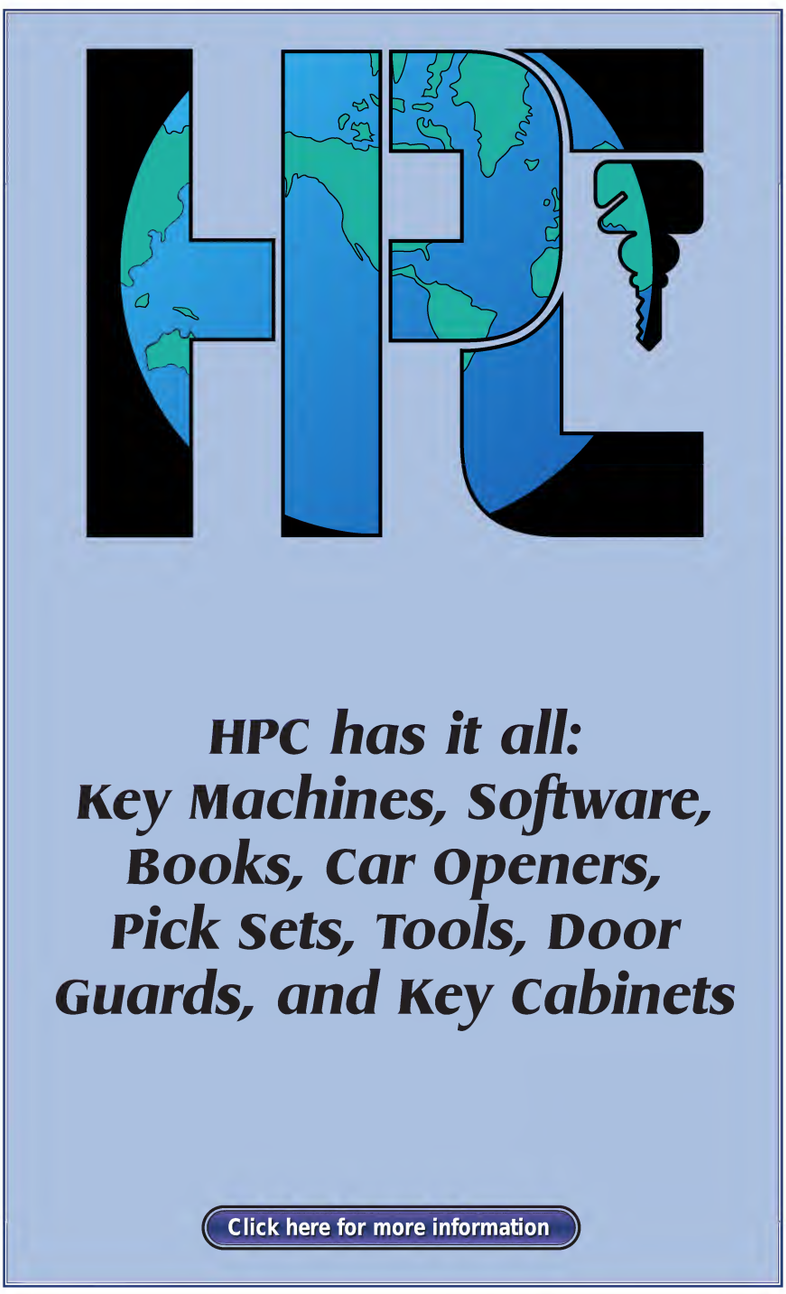


Illustration 5



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capture this pin. The groove is rotated to the second pin hole, and its limiting pin is installed in the same manner. With both limiting pins installed, the follower can be used as usual, to install the plug back into the cylinder. This modification does not effect the use of the follower for regular cylinders.

I hope this Technitip will be a help to others.

Sherry Arthur
Texas

One of the difficulties I have had on many of the newer cars, is to find a tool long enough and rigid enough to reach and actuate the door lock while entering from the upper rear corner of the door. A second problem is to find a shield that would protect the customers glass and paint work from damage by the opening tool. This Technitip is one mans solution to these problems. The tool that I made was fashioned from a 54" length of 1/8" X 1/2" mild steel. the material was sanded and filed to remove any sharp edges, painted, and a plastic handle installed on the control end of the tool. This gives the tool a professional look. The tip of the tool was bent at about thirty degrees, five inches back from the tip.

A door protector was made from a heavy plastic file folder. The scratch proof door edge shield is shown in illustration six. A 3" strip of the folder was cut as you see, and the fold slotted to allow the opening tool to pass through the shield. A second fold was formed, to prevent the shield from being pushed through the edge of the door into the car.

To use the tool and shield, the door edge is wedged gently, to allow the plastic shield to be inserted through the rubber weather strip. When the shield enters the interior of the car, the opening tool can be passed through the shield with no danger of damaging the paint or rubber door seal. The opening tool can be bent along its length, as necessary, to bring the tip in contact with an electric lock button or manual lock slide button.

Paul Gannon
Missouri

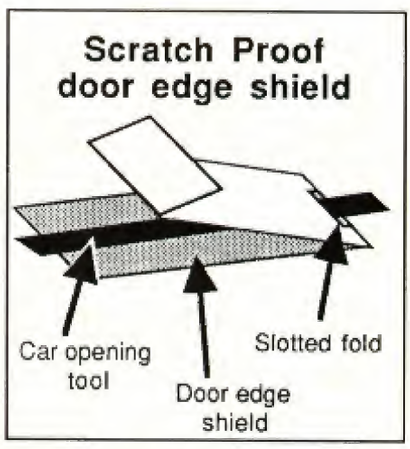
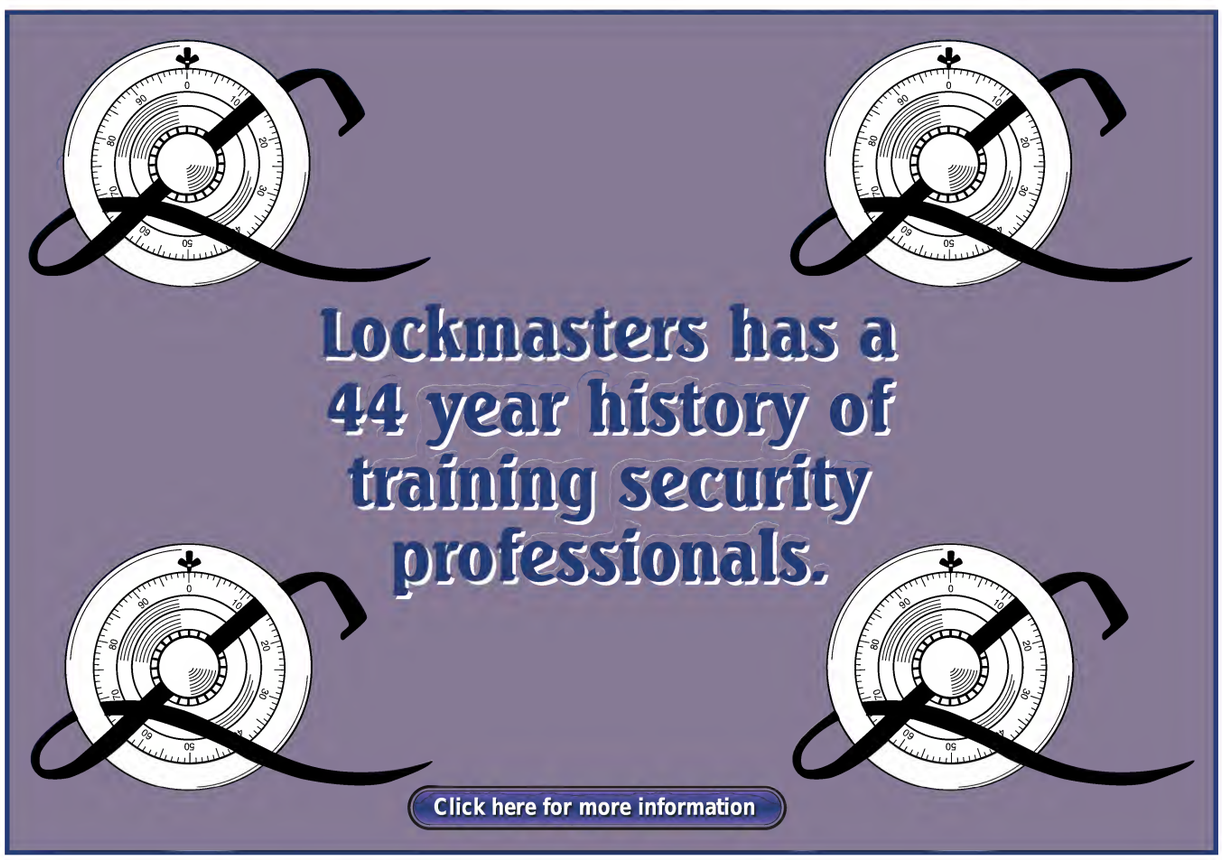


Illustration 6

This Technitip will find application next time you are called to open a Weiser entry lockset that the key turns but the inside knob will not pop out to unlock the outside knob. Faced with this lockout, a Weiser shim pick is the key. Insert the operating key into the lockset, and the shim beside the key, as you would to remove the cylinder. Push in on the shim, to push the actuator further into the inside knob, as you turn the key clockwise. The worn area of the actuator will be pushed into the knob, and a new spot on the actuator will turn to unlock the inside knob. If this will not unlock the lockset, proceed with step two.

With the shim pick and key in the

Continued on page 180



Click on border to view new company or issue

NEWSMAKERS

New Products and Industry News

Gardall's Group II Electronic Lock

Gardall Safe Corp. is pleased to announce that they are now manufacturing safes with Group II electronic locks.

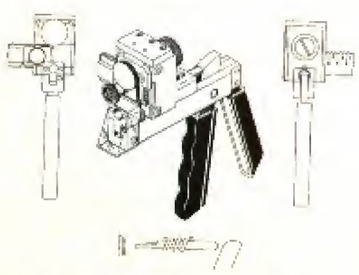


Safes with electronic locks are fast becoming a popular choice for security applications at home or in a commercial environment. Businesses that have high turnover are often excellent prospects for electronic locks due to the ease of changing combinations. Further, the electronic lock would be well suited to individuals with arthritis, impaired vision or those that simply do not want to dial a combination lock.

For *FREE* Information
Circle 419 on Rapid Reply

A-1's Pak-A-Punch™ II For G.M.

A-1 Security Manufacturing Corp. Has expanded its Pak-A-Punch™ line by introducing the Model II code punch for G.M. wafer, sidebar locks. The Pak II is a hand-held, manually operated Key Punch. A-1's Pak-A-Punch™ line is available from over 80 A-1 Distributors throughout the U.S.A. and Canada.



For *FREE* Information
Circle 420 on Rapid Reply

ADA Lever Handle By Access Specialties

An economical way to comply with A.D.A. Guidelines, by quickly converting door knobs in commercial and residential buildings to lever handles, is described in a new brochure from Access Specialties and Products. Available in various finishes and compatible with almost all commercial-grade door knobs, the ADA-1 handles can be installed in about three minutes and are guaranteed to remain in place under normal operating conditions.



For *FREE* Information
Circle 421 on Rapid Reply

Adams Rite Delayed Egress Alarm Exit Devices

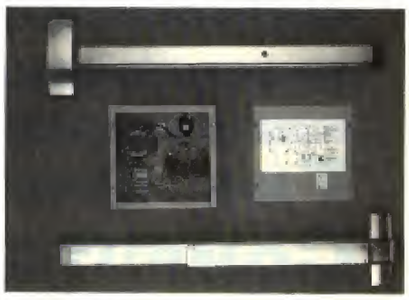
Exit devices that can be connected to any recognized "maglock" to provide alarmed delayed egress have been introduced by Adams Rite Manufacturing Co. All the firm's exit device line, life safety or fire-rated, whether rim type, mortise, concealed rod or surface rod can be fitted. The delay circuitry is built into the bar so no special wiring of the magnetic lock is required. Override, delay, nuisance-alarm avoidance are some of the features provided. The delayed-egress devices carry a U.L "Recognized Component" label, signifying that they may be connected to any "maglock" that is also so recognized.



For *FREE* Information
Circle 422 on Rapid Reply

ACSI Introduces Exit Modifications

Architectural Control Systems, Inc., (ACSI), a designer and manufacturer of electrified mortise and cylindrical lock technology, introduces the "ACSI Series 1550" which provides electric latch retraction modifications to a wide range of exit devices.



Series 1550 modifications to Von Duprin, Sargent, Arrow and Yale exit devices are U.L Listed for Panic and Fire Exit Hardware and carry a full one year warranty from ACSI.

ACSI modifications allow remote locking and unlocking of vertical rod devices. They can also interface with automatic door operators.

Series 1550 systems are provided with 24 volt control using continuous duty solenoids which retract the latch bolt for a momentary or maintained period of time. Options include pneumatic control, latch bolt monitoring, security monitoring, and request to exit switching.

For *FREE* Information
Circle 423 on Rapid Reply

Continued on page 22

Click on border to view new company or issue

Continued from page 20

Dual-Access Systems By Gyro Tech

The Dual-Access GT System 500 excels when it's handling a high volume of pedestrian traffic. This system is ideal for health care facilities, office buildings, stores, restaurants, libraries or anywhere pedestrian traffic is heavy.

The Dual-Access unit provides manual and automatic operation. In the manual mode the door opens with less than 12 pounds of pressure and spring closes slowly to ensure safety.



The automatic feature offers two options, Standard Automatic and Optional Speed.

For *FREE* Information
Circle 424 on Rapid Reply

Hudson's High Security Cabinet Lock

A new cabinet lock that features a stainless steel body with phosphor bronze tumblers, O-ring seals, and a high security code system for out-of-doors OEM applications is being introduced by Hudson Lock, Inc.

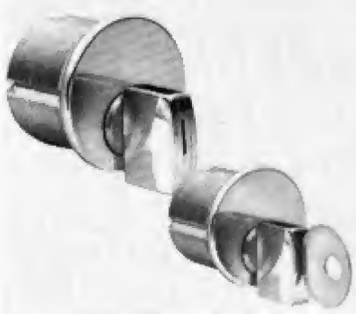
Hudson's Magnum Lock features an all stainless steel body and dust shutter with phosphor bronze tumblers and O-ring seals. Capable of withstanding up to 40 in. -lbs. of cross key torque to resist tampering, this high security weather-resistant lock operates in cold and wet environments from -40 degrees to +140 degrees F.



For *FREE* Information
Circle 425 on Rapid Reply

Lori's Captive Thumbturn-Key Cylinder

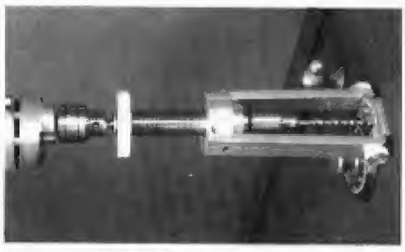
Lori Lock introduces its Captive Thumbturn-Key Cylinder. The cylinder fits into any standard mortise cylinder application. The removable thumbturn converts a single cylinder locking mechanism into a double. Ideal for store front applications concerned with both daytime fire safety and night time perimeter security.



For *FREE* Information
Circle 427 on Rapid Reply

Strongarm's New Mini Drill Rig

This innovative safe technician tool, distributed by Strongarm Security, is compact (2-1/2" x 7") and very lightweight (2-1/2 lbs.). The screw type drill rig can deliver heavy, constant pressure to the drill tip and will drill accurately. The Strongarm "Mini Rig" has a three sided anti-slip drill shaft that can be used with a drill motor of the operator's choice. The drill rig mounts to most safe doors with a threaded 1/2" insert or two hardened sheet metal screws.



For *FREE* Information
Circle 426 on Rapid Reply

Continued on page 24

Major
MANUFACTURING, INC.

Installation Tools

The Professionals Choice

Click here for more information

Click on border to view new company or issue

Continued from page 22

Tool Kaddie By Kaddies, Inc.

Now being used by locksmiths and security system installers throughout the world, the Tool Kaddie is a proven time and labor saving device. It's maker, Kaddies Inc., has recently introduced a new Red Tool Kaddie to compliment the line. Available with a wire spool template for carrying and dispensing wire from inside the unit, the Kaddie is lockable and goes anywhere and everywhere. Ideal for remote installations, re-key operations, prison work, and daily service calls. It's time to lock and roll!



For *FREE* Information
Circle 428 on Rapid Reply

National Cabinet Lock Furniture Locks

National Cabinet Lock has a broad line of locks for use in furniture and case goods, designed to meet the needs of a variety of configurations or styles. National Cabinet Lock also offers custom lock design services where existing designs will not apply.



The National Cabinet Lock product line includes pin tumbler, disc tumbler and lever tumbler locks. Designs include surface-mounted drawer/door locks, full mortise drawer/door or lid locks, half mortise removable cylinder drawer locks, plunger bolt sliding door locks and desk pedestal gang locks.

For *FREE* Information
Circle 429 on Rapid Reply

New Olympus Borescope Light Source

A new light source specifically designed for remote visual inspections with the Olympus Videoimagescope and a selection of fiberscopes and borescopes equipped with video cameras has been announced by Olympus America Inc. The Model ILV-2 light source has a 300-watt xenon short-arc discharge lamp, stated to be four times more powerful than a 150-watt incandescent lamp. This high intensity is said to be ideal for the CCD chip camera used in the Olympus Videoimagescope, a flexible remote video inspection device capable of being inserted in pipes and equipment as far as 70 feet and more.



For *FREE* Information
Circle 430 on Rapid Reply

medeco®
HIGH SECURITY LOCKS

The market leader
in locking systems for security,
safety, and control.

Click here for more information

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NATIONAL AUTO LOCK SERVICE, INC.
SRi SECURITY RESOURCES INC.
ASP
The National Locksmith



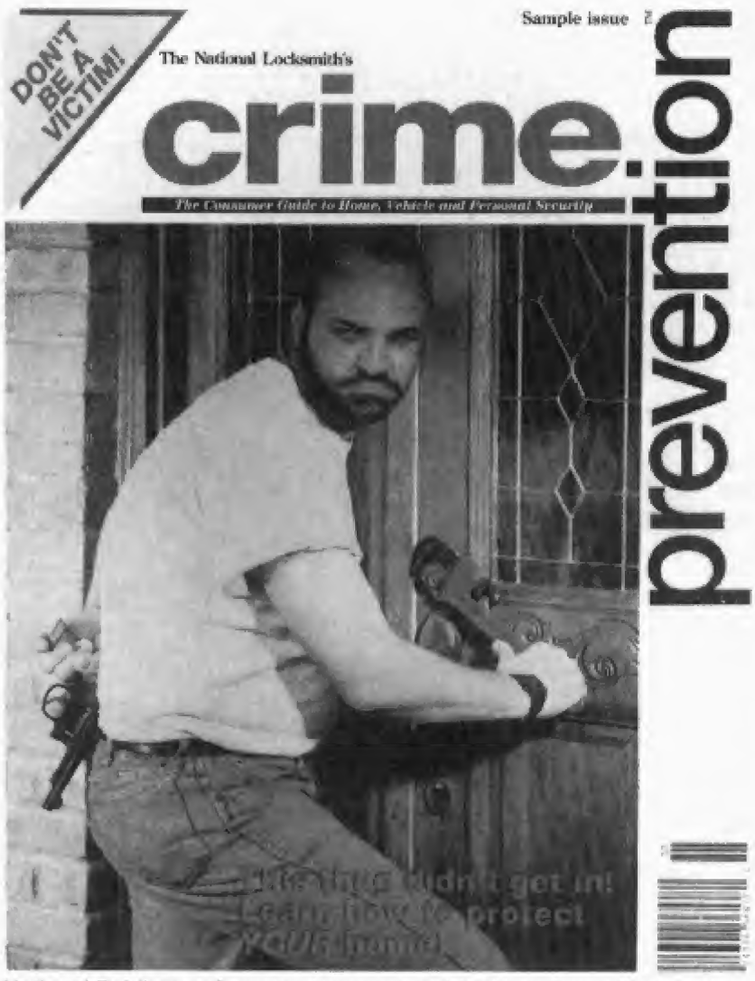
READ ALLA 'BOUT IT!

"Crime Prevention™ is a full color publication that your customers (or prospective customers) will know came from you."

When I was a kid in Baltimore, I sold newspapers on the corner of Light and Cross streets (which is only a few blocks from where ALOA held it's convention in 1992). I would hold a bundle of papers under one arm, with another held open across my chest (so the headlines would show) and yell: "Hur-ree, hur-ree, read-alla-bout it! Getchur Sun pa-pahs here!" I sold the papers for a nickel each. My commission was 0.5¢! You read it right. I got one-half of one cent for every paper I sold!

"Hawking" newspapers on the streets of Baltimore, in the late forties, offered me a way to keep some "spendin' change" in my pocket most of the time. Even if what I was earning could not have been considered big money, the experience taught me a lot about "doing business."Now, forty-five plus years later, here I am a bona-fide, full-time, independent locksmith who also writes for *The National Locksmith*, and what am I getting ready to do? I'm getting ready to "hawk" (in a manner of speaking) another newspaper! Only this time around, I'm not even going to get my half-penny commission! In fact, I'm going to buy the paper, and (are you ready for this?) *give it away!*

No kidding! I'm as serious as a heart attack. And, I am absolutely certain that by giving this paper away *free of charge*, I'm going to increase my earnings as a locksmith! What d'ya think of that? Before you even begin to think that I'm not playing with a full deck, hear me out. Because I'm going to tell you how you can increase your income the same way.



National Publishing Company's newest publication, *Crime Prevention*.

Last month, The National Publishing Company (as in: *The National Locksmith*), announced a brand-new publication called *Crime Prevention*™. This publication is aimed directly at the consumer of your products and services. In other words: "It is a news magazine for YOUR customers!" It is jamb-packed with product information, crime prevention suggestions and ads aimed at your customers.

Crime Prevention™ is full of editorial content telling your customers that you, as a locksmith, not only "make keys" but are a "security expert" who can aid them in making their homes, businesses, automobiles and families safer and more secure. It is a publication that just might have the potential of doing for your locksmith business what Hugh Hefner did for rabbit ears!

And, *Crime Prevention*™ is a full color publication that your customers (or prospective customers) will know came from you, because each copy is going to have a space on the front page where you can imprint your own shop or business name, address and phone number! The quarter-folded tabloid size format will make it easy for you to handle and distribute, and difficult for your customers to misplace while they are reading about the newest and most innovative security products available to them ... with your compliments!

This is a publication that you give to customers, friends, prospects and civic groups on a quarterly basis. Every three months, you are going to be able to put your name before those people and businesses in an economical way that will have a dramatic one-on-one impact.

This new offering from the National Publishing Company is written and printed with one goal in mind: to promote personal safety and physical security for the public. It is loaded with articles and editorials designed to make the consumer more security conscious.

Click on border to view new company or issue

It is written to make people aware that their primary consideration in today's world must be to keep the bad guys and gals at bay, and that you, as the locksmith, can help.

We all know that a big problem in locksmithing is public education. The average guy on the street does not think of the locksmith when he thinks about security. *Crime Prevention*™ will not only give the public tips on how they can increase their security, it will also inform the customer about all the ways their locksmith can help them protect themselves.

Where and how can you receive this publication? How much is it going to cost? How do you capitalize on the "content" of this new promotional tool? And, finally, what's in it for you? I'm glad you asked!

Crime Prevention™ is published every three months by the National Publishing Company. It is circulated to 250,000 consumers with its quarter million press run. As I said before, it is cover-to-cover full of articles and product ads designed to increase consumer awareness of the security options available to them from you ... their local locksmith and security advisor. But, the best part will be that this is a publication that will have a personal meaning because they will know that you gave it to them!

You will get your copies of *Crime Prevention*™ from *The National Locksmith*. Just fill out the order blank on page 29, and return it to *The National Locksmith*. The publications come boxed in bundles of one hundred. Each box will be designed to "open" into a dispensing unit that can be placed on your shop counter, or carried with you in your service van. You can order as few as one hundred copies, or as many as you think you would like to give away.

Before I get into how little each copy of *Crime Prevention*™ is going to cost, I want to share with you a few thoughts on how to capitalize on the information that it contains. That is, ways to distribute copies to the greatest number of people that will do you the most good.

One thing I intend to do is to send the major business managers of my service area their own personal copy of *Crime Prevention*™. I will send it along with a note telling them that their "subscription" is complimentary and if there is anyone on their staff who would like to receive *Crime Prevention*™, just let me know. I will also mention in my cover letter that if they had any questions regarding the goods, services or ideas they read about in Crime Prevention™ they should feel free to call me ... I'd be happy to discuss it with them.

Then, I will keep my eye out for new businesses listed in the local newspapers, and send each person that launches a new business, a complimentary copy. Remember, my locksmith company name and phone number are stamped prominently on the front cover of each copy. This gives me an instant marketing program. When the people read about *Crime Prevention*™ services and products, most likely they'll call me to purchase.

I will also drop off a couple of copies to various dentist offices, doctors offices, hospital waiting rooms and other professional office (accountants, insurance agents, lawyers, etc.) waiting rooms. All of them complimentary, of course.

I would also, with permission, place a few copies in the break rooms of various industrial plants in my area for the employees to read. I think I would also try to get copies to the

NATIONAL
AUTO LOCK SERVICE, INC.

National Auto Lock Service, Inc. offers a wide range of equipment and services for the Automotive Locksmith. From tools and hard to find key blanks to transponder programming, we can take the mystery out of car service. We accept credit card orders, and can ship COD. Contact us for the latest in automotive technology.

www.laserkey.com

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NATIONAL AUTO LOCK SERVICE, INC.
SRi SECURITY RESOURCES INC.
ASP
The National Locksmith

agricultural extension service or county agricultural agent so they could be placed in the meeting rooms where various clubs and groups hold their meetings.

Civic clubs such as the Lions, Exchange Club, Kiwanis, etc., would all be good prospects on my list to receive copies of "my" magazine. So would automobile dealership waiting rooms. There are probably more places and people I would like to see have copies of *Crime Prevention*™ than I can take the time to deliver.

As I see it, the main thing is to distribute the publication to as many places, and individuals, as possible to get the greatest deal of exposure. One thing I am certain of, each and every copy that I mail, or put in place will have my company name on the front cover so whoever reads it knows it came from us.

Police chiefs, doctors, dentists, lawyers, and the general public who read the *Crime Prevention*™ will see my name (or your name in your area) on the front page, and then they'll read an article or ad that starts them thinking about a security problem, and, as a result, they're going to call me. And when they call, I'll most likely sell them something. If I sell them something, that means that I'll make some money. And, that will be money I would not have made if I hadn't used *Crime Prevention*™ to market my company.

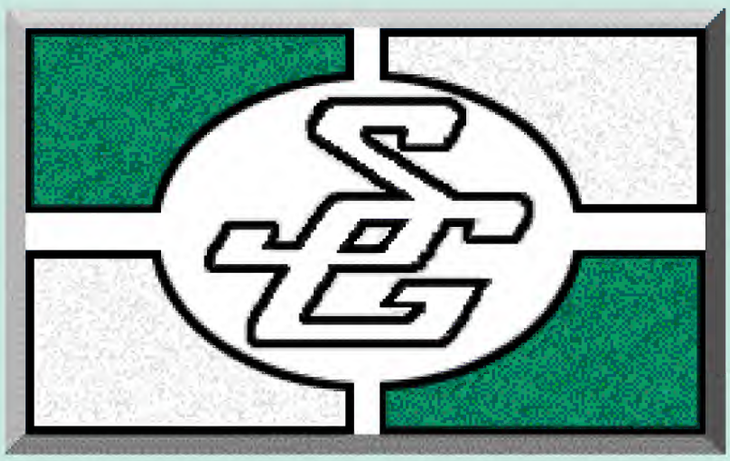
Unlike T.V. ads the publication is inexpensive. Unlike newspaper ads, *Crime Prevention*™ will be read because it contains topical and timely information that most people are extremely interested in today ... information on how to protect themselves from the various and assorted yo-yo's that are trying to take what isn't theirs.

Crime Prevention™ is better, and less expensive in my opinion, than yellow page advertising because it gets people to thinking about their security needs before they have a problem. Folks tend to use the yellow pages after the fact. You'll have a powerful, forceful, and positive impact on your readers.

So how much is this super security sales getter going to cost you? How much is it going to cost you to "give away" what I think is the greatest piece of locksmith promotional material you're likely to see in a long time? How much is it going to cost you to implement a program that is designed to help you increase your sales easily and dramatically?

Actually, I should say, "Do you know how *little* the best advertising idea you may ever be offered is going to cost per copy?" Less then a first class postage stamp. If you figure that approximately five people will read each copy of *Crime Prevention*™ that you distribute, your per contact cost is less than .04¢. That's right! One hundred copies of *Crime Prevention*™ in a self-dispensing display box, will cost you just $19.95!

I personally think that's a promotional value that you're going to find hard to beat. *Crime Prevention*™ is a focused publication. It is consumer oriented, and it is designed to bring the customer to you. No long term commitments, no contracts, no special fees. You decide how much, how often and where. Your $19.95 will come back to you (and then some!) so fast it will make your head spin. *Crime Prevention*™ will also be distributed nationally on the newstand. And police departments will also be using it in their crime prevention programs. In the end, as the consumer learns more about security–and the locksmith–we'll all be winners.



Make Sargent & Greenleaf's Comptronic locks your choice for electronic safe locking solutions.

Click here for more information

Click on border to view new company or issue

1994 Locksmith Directory

This Directory contains the names, addresses and phone numbers for the hundreds of manufacturers and distributors serving the locksmith industry. Each company has been given the opportunity to write a short paragraph about themselves. This gives you a chance to learn more about the various companies in the industry.

Save this issue for reference throughout the year of 1994. If you ever have a question, problem , order or a comment to make, you can use this Locksmith Directory to help you get results. Remember, these companies exist to help you, the locksmith. But they cannot become more responsive to you if you do not keep in contact.

We have tried very hard to make this Locksmith Directory complete with all the information you might need during the upcoming year. However, it is possible that some information might have inadvertently been omitted. If this is the case, then a future issue will contain an addendum to this list.

Manufacturers

A-1 Security Mfg. Corp
3528 Mayland Ct
Richmond, VA 23233
(804) 747-0095
FAX: (804) 747-0534
Key Personnel: Frank McCarthy, GM; Ricky King, Prod. Mgr.
In business for 23 years, A-1 is a manufacturer of unique locksmith tools. With over 60 items offered, A-1 is best known for its line of I/C tools (The Block, Capping Press, Dumping Block); tubular cutters and picks, car opening tools and numerous other hand tools. Products are handled through qualified distributors.

AAA Products Int'l
2012 Shea Rd.
Dallas, TX 75235
(214) 357-3851
FAX: (214) 357-7222
Key Personnel: August Schulz, Exec. VP; Harry Womack, VP-R&D; Irby Bennett, Sales Supv.
AAA Products International-Jiffy ML-7 Locksmith Vice; Jiffy QS-12, C.F.-12, FG-12 high speed attachments, factory recommended for the HPC 1200 CM; Jiffy MA-1 centerline, no slip impressioning tool; Jiffy GM-1 Cap Clincher; Jiffy MT-1 Tubular Impressioning Tool; Jiffy JBH Battery Holder; Jiffy SL1206 Super Light Probe; and Jiffy LRF-50 Flat Reel Light Cord Assembly.

A.D.D.M. International Inc.
3091 Trinity St.
P.O. Box 572
Oceanside, NY 11572
(516) 766-5997
FAX: (516) 678-0259
Key Personnel: A. Gesser, Pres.
A.D.D.M. International Inc. markets gas alarms for various gases. The two most popular models are: GHD 2000 for propane, butane and natural gas and GHD 2001 for carbon monoxide. These units are manufactured for residential use and come with six foot plug in cord for a simple installation.

A-J Mfg. Co. Inc.
3601 E. 18 St.
Kansas City, MO 64127
(816) 231-5522
FAX (816) 231-8437
Key Personnel: Robert Hooke
A-J Mfg. Co. specializes in the manufacture of standard and custom made-to-order door grilles, glass lite frames and kick-armor plates.
See ad on page 136

Aable Locksmiths
91-10 Liberty Ave.
Ozone Park, NY 11417
(718) 847-1377
Key Personnel: Frank Markisello, RL, Owner; Elizabeth Markisello,
We design and sell several tool kits for working on auto locks. The "Side-Kick," Ford "Disc Out," Ford side bar block. Also Ace Breaker for tubular lock, inter-lockit universal cylinder guard. We are locksmiths trying to make all our jobs a little easier.

A&B Safe Corp.
2300 Bloomingdale
Chicago, IL 60647
(312) 342-0068
FAX: (312) 342-6694
Key Personnel: F. Bernath, Pres.; N.A. Bernath, Sec'y./Treas.; Keith Adkins, GM/Plt. Supt.

ABC Lock Co.
R.R.1 Box 12C
Council Bluffs, IA 51503
(402) 346-8338, (712) 366-4703
Key Personnel: Don Parkins, CEO, Eleanor Parkins, Pres.
Keybox, metal key storage boxes for service trucks and shops. Rod Biter, Button Biter and Door jack tools. Dog Tooth, Vampire, Zoro, car and truck opening tools with teeth.

Abloy Security, Inc.
6015 Commerce, Suite 450
Irving, TX 75063
(800) 367-4598, (214) 753-1127
FAX: (214) 753-0792
Key Personnel: Charlie Armstrong, GM; Rock Badenscharz, NE Reg. Mgr.; Jerry Stuart, OEM Sales Mgr.; Mark Imhof, Prod. Mgr.
Abloy Security manufactures and distributes a complete line of maximum security locks and replacement cylinders. Products offer superior physical strength, patented keyways, and extensive master keying capabilities. Several dealer programs are available.

Abus Lock Co.
218 W. Cummings Park
P.O. Box 2367
Woburn, MA 01801
(617) 935-8370 (800) 225-5348
FAX: (617) 938-7009
Key Personnel: Thomas R. Laitala, Chairman; Jeremie E. Laitala, Pres., Arthur J. Steffenberg, VP
A worldwide manufacturer of padlocks and security locks, makers of the original Diskus, now made in six models. Four original lines of brass padlocks are also made by Abus.
See ad on page 63

Access Specialties and Products
211 Beeline Drive No 3
Bensenville, IL 60106
(708) 766-2313
FAX: (708) 766 2609
Key Personnel: Gary Spalding,Sales Dir.; John Woodward,Eng. Dir.; Shirley Henderson,Business Dir.
Company organized in 1991 to market and develop door hardware to meet ADA guidelines. Principal products now are ADA-I series retrofit lever handles for simple, inexpensive installation over existing commercial grade doorknobs; available in various sizes and finishes.

AccuMark
120 N. Main St.
Mansfield, TX 76063
(817) 295-5625
FAX: (817) 473-8088

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Key Personnel: Rick Segerstrom, Owner
Manufacturer of the AccuMark ™ and other Locksmith tools and equipment. Also manufacture new Novel-Keys ™.

Accurate Lock & Hardware Co
Annie Pl.
Stamford, CT 06902
(203) 348-8865
FAX: (203) 348-8865
Key Personnel: Ronald M. Salvatore, Pres.;Randall Salvatore,VP Sales;David Cundari,Sales Eng.;Mark Gallo, Sales Eng
Manufacturers of Accurate. Accurate custom manufactures locks, architectural hardware for restoration projects and to designers specifications.

Adams Rite
Manufacturing Co.
4040 So. Capitol Ave.
City of Industry, CA 91749
(310) 699-0511 (800)872-3267
FAX: (310) 699-5094 (800) 232-7329
Key Personnel: J. Mark Kelly, Exec. V. P./C.O.O.; David Orban, Dir. of Sales
Architectural hardware: locks, latches, handles, exit devices, electric strikes, etc.

Adapt-A-Bore ™
318 North Milwaukee St.
Milwaukee, WI 53202
(414) 291-5684
FAX: (414) 291-5685
Key Personnel: James P. Holzer, Nat'l Sales; Andrew S. Pokrass, Mng. Partner
Adapt-A-Bore's lock installation device is designed to allow the use of conventional lock installation tools for a variety of manufacturers' specific lock boring requirements without the use of paper templates. Adapt-A-Bore is available as a kit for your existing Kwikset installation set. The Kwikset installation kit is also available with the Adapt-A-Bore unit.

Adcor Electronics
4130 Shirley Drive, S.W.
Atlanta, GA 30336
(800) 229-2326, (404) 691-8920
FAX: (404) 691-5569
Key Personnel: Robert C. Montgomery, Pres.; Gordon T. Jenkins, VP Finance; Sylvia Mallison, Nat'l. Accts. Mgr.
Adcor manufactures and sells alarm communication equipment and systems, including TELGUARD cellular alarm transmission systems, CDR digital receivers/printers including MiniMonitor automation software,TLM+HP telephone line monitors, PROFIT REPORTER Opening/Closing Reporting Systems, PPD digital communicators and other related equipment.

Adesco Safe Mfg. Co.
16720 S. Garfield Ave.
Paramount, CA 90723
(800) 821-6803 CA (800) 554-8418 GA
FAX: (714) 761-2846 CA
FAX: (404) 493-8809 GA
Key Personnel: Gene S. Halls, Owner/Pres.; David Halls, Sales/Mfg.-CA; Steve Mitchell, Sales -GA
Adesco is a manufacturer of quality high burglary safes. The line includes floor safes, depositary safes, and free standing safes, "B" rated through UL TL30. Custom units designed and built upon request. Adesco imports a full line of insulated fire safes. Large stock of inventory available.
See ad on page 132

Adrian Steel Co.
906 James St.
Adrian, MI 49221
(800) 677-2726
FAX: (517) 263-5834
Key Personnel: Karen Poe, Sales Coordinator
Service van interior equipment [i.e., drawer units, cabinets, shelving, bins], safety partitions and ladder racks for full size and mini vans.

Aero Lock
P.O. Box 16434
Memphis, TN 38186-0434
(800) 627-9433
Key Personnel: Jim Clark, Owner; David Parrott, Owner, Marika Parrott, Owner
Aero Lock produces key sets designed to aid the locksmith in opening and fitting keys quickly and easily to many types of locks. "Tryout" sets, cut key sets, and depth key sets are available for domestic and foreign cars, motorcycles, boats, luggage, and office furniture. Free catalog by request.

Aiphone Communications Systems
1700 130th Ave., N.E.
Bellevue, WA 98005
(206) 455-0510
FAX: (206) 455-0071
Key Personnel: Clyde Phifer, VP Sales & Mktg.; Stan Kohagen,Mktg Mgr
Aiphone offers intercom systems for home, business and industry. From simple two-station to complex commercial and industrial systems, Aiphone intercoms emphasize design simplicity, technical excellence, and reliable performance.

Ajax Wire Specialty Co. Inc
119 Bloomingdale Rd.
Hicksville, NY 11801
(800) 966-AJAX
Key Personnel: Joseph Elowsky, Pres.

Alarm Electronics Mfg. Co
Rt. 2, Box 99-1
Taylorsville, NC 28681
(704) 632-3365
Key Personnel: Ed Bonner
Manufacturer of miniature wireless transmitters styled as wristwatch, pendent, or key ring used for holdup, medical, auto alarm, door strikes and many other applications.

Continued on next page

SCHWAB CORP.
Fire protection for your vital records.

It's not safe unless it's Schwab Safe.

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Alarm Lock Systems, Inc.
345 Bayview Ave.
Amityville, NY 11701
(516) 789-4871
FAX: (516) 789-3383
Key Personnel: Richard Palladino, VP of Sales;Brian Strom,Nat'l Sales Mgr.;Leslie Provenzano, Sales Coord.
Alarm Lock has always been dedicated to providing innovative products renown for dependability, safety and high security. Each is precisely engineered to meet or exceed the industry's progressive requirements. The latest highlight to our line is the Trilogy™ DL2500 Series of Digital Locks.
See ad on page 3

Alarm Saf
65 A Industrial Way
Wilmington, MA 01887
(508) 658-6717
FAX: (508) 658-8638
Key Personnel: Gordon Pendleton, VP of Mrktg., Kathleen Farley, Mrktg. Coord., Leo Ward, Cust. Svc. Mgr.
Alarm-Saf manufactures a complete line of power supply and battery chargers UL listed for fire, burglar, and access control. Commercial versions available up to 16 amps capable of charging 200 AH battery systems. Other product include 7 day multi-event programmable timers, sensitive trio relay modules, and high powered siren drivers.

All-Lock Co., Inc.
900 Ravenwood Dr.
Selma, Al 36701
(205) 874-9001
FAX: (205) 874-6011
Key Personnel:Jesse Hermann, Pres. ; James Gibbard VP - Gen. Mgr., Russell Alsbrook, Nat'l Sales Mgr.
Domestic and foreign automotive locks and service kits, key blanks, domestic and foreign, cam locks and service kits, tools and instructional materials.
See ads on pages 37, 39, 41, 43

Allied•Gary International
P.O. Box 947 Gary Way
Waynesboro, GA 30830
(706) 544-1918 (800) 456-4279
FAX: (706) 554-3319
Key Personnel: Steve Dunn, Gen. Mgr./Nat'l Sales Mgr.
Manufacturers of quality "made to order," money chests, UL safes, bank equipment, mercantile vault doors and autobank cash handling systems.

Allsafe Company, Inc.
1105 Broadway
Buffalo, NY 14212-1511
(716) 896-4515 (800) 828-7162
FAX: (716) 896-4241
Key Personnel: James E. Pakarnowski, VP; Michael L. Davis, Dir. Eng.
Allsafe manufactures access control cards and systems, parking control cards and systems, photo ID cards, systems, and supplies, and credit cards.

Alpina/Calibro Corporation
14911-127th St.
Lemont, IL 60439-4402
(708)257-8008
FAX: (708)257-7235
Key Personnel: Darius A. Pavilaitis, GM
Tear gas, personal alarms, car stereo locks. Tearo pepper based defense spray with orange ID dye.Sound Guard pocket police siren. Scares away attackers and alerts others. Attaches to clothing for instant access. Calibro Corp. car stereo locks are simple mechanical locking devices to prevent theft of car stereos.

Almet Hardware Ltd.
8205 Montreal-Toronto Blvd.
Montreal, Quebec H4X 1N1
(800) 363-2114, (514) 364-4211
FAX: (514) 364-4912
Key Personnel: David Klein, Pres.; Aubrey Sievert, Sales Mgr.; Merg Larsen, GM.
Manufacturers of decorative lock hardware for both commercial and residential markets. Almet is now featuring new designs in solid brass and colored levers in their new Encore line.

Almont Lock Co., Inc.
113 School St.
Almont, MI 48003
(313) 798-8950
Key Personnel: Arcardia Popovici, Pres ; David Popovici, VP; W.L. Pluck, Mktg. Mgr.
Manufacturer of padlocks and cylinder locks.
See ad on page 174

Alna, Inc.
9725 Owensmouth Ave.
Chatsworth, CA 91311
(818) 882-6028
FAX: (818) 700-1540
Key Personnel: Jack Fase, Pres.; Stuart Klein, Inventory
Distributors of our own line of fine decorative hardware/bathroom accessories, switch plates, pulls, escutcheons, house numbers, all in brass or porcelain and distributors for Keuco, Allibeut Co.,Decatel product lines.

Altronix Corporation
1675 East 16th Street
Brooklyn, NY 11229
(718) 998-8999
FAX: (718) 375-6797
Key Personnel: Alan Forman, VP Mrktg; Jonathan Sohnis, VP Eng.
Altronix manufactures UL listed power supply/chargers for access control, burglar and fire, and CCTV applications. Products include a wide range of programmable timers, relay modules, transformers and siren drivers.

Ambassador Safe Co.
21 N. Beverwyck Rd.
Lake Hiawatha, NJ 07034
800-999-5510
FAX: (201) 402-1447
Key Personnel: Jeff Hale, Pres.; Larry Hale, Sec'y., Karen Hale, Gen. Mgr.
Ambassador Safe Co. is the direct importer of Ambassador Safes which consist of one and two hour fire safes as well as Super Strong TI-30 and TI-30x6 Safes. Ambassador also stocks a full line of replacement combination and key locks for Korean Safes. In addition, we also manufacture "excess cash handling" containers.
See ad on page 104

American Device Mfg. Co.
1003 W. Broadway
P.O. Box 8
Steeleville, IL 62288
(618) 965-3491
FAX: (618) 965-9022
Key Personnel: Tom Walls, V.P.-Mktg.
American Device has been in the manufacturing business over 65 years, producing quality products for the construction industry. These products currently include a complete line of panic and fire exit devices and postal specialties.

American Eagle Lock Company Inc.
P.O. Box 232
Akron, PA 17501
(800) 645-7455
FAX (717) 656-4749
Key Personnel: William McNiff, Pres.
Michael A. Smith,Sales Rep.Joseph H. Niklas, Sales Rep.
Full line of removable core products, including cores compatible with Best, Falcon, Eagle, and Arrow. Also full line of commercial and residential grade cylindrical locks, including lever handle locks that meet ADA handicap accessibility requirements, mortise locks, and deadbolts. All products available in many functions, keyways, and finishes.

American Lock Co.
3400 W. Exchange Rd.
Crete, IL 60417
(708) 534-2000
FAX: (708) 534-0531
Key Personnel: William F. Noone, Pres.; Philip E. Settecase,VP Sales/Mktg.;Dave L. Anderson,Nat'l Sales Dir.-Com.Div.
Manufacturer of solid steel and solid brass padlocks, hasps, cam locks, inner cylinder locks, replacement rim and mortise cylinders, and combination padlocks.

American Saw & Mfg. Company
301 Chestnut Street
East Longmeadow, MA 01028
(413) 525-3961 (800) 628-3030
FAX: (800)223-7906
American Saw manufactures hacksaw blades and frames, compass blades and handles; PVC/ABS hand saws; reciprocating and jig saw blades; portable power hacks and portable bands; bi-metal, arbored and carbide tipped hole saws; Vari-Bit® drill bits; Lenox® Leader® bits and wood boring bits. In business since 1915.

American Security Prod. Co.
11925 Pacific Ave.
Fontana, CA 92335
(800) 421-6142, (714) 685-9680
FAX: (714) 685-9685
Key Personnel: Frank Cademartori, Pres.; Robert Sallee, Nat'l. Sales Mgr.
Manufacturers of Amsec, Star and Major brand sales. Offering burglary resistant safes, fire resistant safes and custom safes. Manufacturing quality safes for over 40 years.

ANC Locksmith Supplies
95 Grand St.
Worcester, MA 01610
(800) 466-0224
FAX: (508) 757-9668
Key Personnel: Evangelos Bougiouris, Pres.; Chris E. Lalos, Treas.
New state of the art key cutters. Improved cutter tooth designs including increased length of side teeth. Computer generated teeth insure consistent quality.All cutters produced in the USA. This adds up to increased cutter life and hassle free key cutting. Enjoy the advantages of our key cutters at competitive prices.

APR Industries, Inc.
P.O. Box 342
Boonton, N.J. 07005
(800) 729-2674
FAX: (201) 335-3308
Key Personnel: Alan Paul Romanowicz, Pres
APR Industries manufactures rim panic exit devices under the brand name of APR*MERICAN. The series ED22 (featured in Aug. 93 issue of *The National Locksmith*) is designed for use on flush and wide style doors and fits a 161 stock hollow metal cutout. The series ED33 is designed for narrow style doors and glass storefront doors. Both series utilize patented state of the art latch and head design with stainless steel parts and springs. The ED22 is retrofitable to Corbin 29 series or Russwin 372 series rim panics. A wide variety of trim is available for each series, to include handicap lever handle.
See ad on page 79

Architectural Control Systems, Inc.
10666 Gateway Blvd.
St. Louis, MO 63132
(314) 432-5588, (800) 753-5558
FAX: (314) 432-2090
Key Personnel: Dave Senften, Pres.; S.A. Capon, VP; Mark LeGrand, Sales Mgr.
Manufacturers of the patented Gemini Locking System and the Gemini High Security Keypad. Electric hinges, electric mortise and cylindrical

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ARCH. CONTROLS

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locks are our specialty. Included in the ACSI product line are electric bolts, electric strikes, power supplies and a full line of door controls.

Argus Security International
94-28 Northern Blvd.
Jackson Heights, NY 11372
(800) 88 ARGUS, (718) 458-6707
FAX: (718) 899-1623
Key Personnel: Dennis Shields, Pres.; Bill Festa, VP
Specializing in auto security for over 10 years. Designing and manufacturing security systems that save time of installations, are full featured and are so flexible that you can meet any customers needs with it. convenience features, high security and low costs are Argus' outstanding features.

Aritech Corp.
1510 Tate Blvd., SE
Hickory, NC 28601
(800) 800-2626
FAX: (704) 324-8028
Key Personnel: Jim Synk, CEO; David Miller, VP/GM; David Ledgerwood, VP-Sales
Aritech Corp. manufactures Moose brand controls, power supplies, audibles and accessories, as well as Aritech brand motion sensors and related products. Noted for their dependability and ease of installation, these products are available from all major distributors of security products worldwide.

Armadillo Safes
2580 Progress St.
Vista, CA 92083
(805) 239-5712 (619) 598-5470
FAX: (805) 239-5713 (619) 598-5471
Key Personnel: Mike Walsh, Sales & Business Dev.; J.T. Kates, Exec.VP.
We're "The Safe Burglars Hate" floor safe and chest safes. Both standard and custom. We use only high quality materials, no secondary steel.



Armite Laboratories
1845 Randolph St.
Los Angeles, CA 90001
(213) 587-7768
FAX: (213) 587-5075
Key Personnel: J.H. Armington, Pres.; Howard Hansen, VP-Sales; Mary Wilcox, Controller
Manufacturer of moisture remover, antiseize, rust buster, synthetic instrument oiler. Manufacturing since 1928.

Armor Safe Corp.
2580 Progress St.
Vista, CA 92083
(619) 598-5470 (factory)
(800) 835-6011 (No. Office)
FAX: (619) 598-5471 (factory)
FAX: (805) 239-5713 (No. office)
Key Personnel: Mike Walsh, Sales, No. Office; Sunny Gilbert, Sales Factory.
All materials are completely new interchangeable boltwork. Complete line of UL labeled TL-15, TL-30 burglar resistive money safes for supermarkets and drug chains. Special designs for clients' individual requirements.

Armstrong Security Lock Corp.
54-45 44th St.
Maspeth, NY 11378
(800) 622-LOCK, (718) 392-9000
Key Personnel: Mark Berger, Nat'l. Sales Mgr.
A Division of Securitech Group, Inc., Armstrong created the 2-inch deadbolt, top rated by Consumer Reports. DoubleThrow projects a full two inches while leaving 5/8" of solid steel inside the door. New 1-1/2" throw model also available for special applications (narrow jambs, sidelights, etc.).

Arrow Lock Mfg. Co.
103-00 Foster Ave.
Brooklyn, NY 11236
(718) 257-4700
FAX: (718) 649-9097
Key Personnel: E. Pugatch, Pres.; Monika Elling, VP Finance; Carl Sideranko, Nat'l Sales Mgr.
We manufacture a full line of locks, exit devices and door closers which are distributed by a nationwide network of locksmith wholesalers. These products, as well as competitive keying capability make choosing Arrow a smart move!!!

ASECO
228 E. Star of India Lane
Carson, CA 90746
(310) 538-4670
(800) 421-1096
FAX: (310) 538-9932
Key Personnel: Yutaka Odawara Pres.; Sergio P. Galvez, Div. Mgr.
ASECO manufactures the Stinger I and Stinger II remote control, 2-wire hook-up Vehicle Security Systems, with features such as automatic or manual arming, latching panic alarm, alarm memory, trunk release and field programmable features.

ASSA High Security Locks
103-00 Foster Ave.
Brooklyn, NY 11236
(718) 927-2772
FAX: (718) 257-ASSA
Key Personnel: Wayne Wilkerson, Pres.; Mike Crowder, Sales Mgr.; Bill Peterson, Inside Sales & Customer Relations
ASSA High Security Locks manufactures a full range of high security retrofit cylinders, deadbolts and padlocks. Patented, geographically protected keyways are available to distributors, locksmiths and endusers. Also offering the HALT line of narrowstile locks.

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ATEK Locksmith Products
2510 N. Ashland
Chicago, IL 60614
(312) 348-5106
Key Personnel: Jim Gruber, Mfg.; Joe Gruber, Pres.; Paul Killian, Sales
Manufacturer of locksmith tools specializing in tubular lock picking and custom made tools. Founders of Atek have been manufacturing locksmith products since 1959.

Auth Chimes
561 Acorn St.
Deer Park, NY 11729
(516) 242-2493
FAX: (516) 242-7742
Key Personnel: Jonathan Ingham, Pres.; Donna Miller, VP, Gen. Mgr.; Dorothy Wagner, Prod. Supv.
Auth Chimes, one of the country's oldest door chime manufacturers, has been the choice of architects, contractors and builders for 100 years. The company stands behind its products with a free replacement policy for parts worn through normal use. We now feature UL fire rated viewers.

Auth/Florence Co
2139 N. Elston Ave.
Chicago, IL 60614
(312) 384-3310
FAX: (312) 384-3460
Key Personnel: Michael Gioselli, Pres.; Mike Gioselli Sr., VP; Frank Vecchione, Nat'l. Sales Mgr.
Suppliers of high quality USPS and private distribution postal specialties products and accessories.

Auto-Security Products
P.O. Box 10
Redmond, WA 98073-0010
(206) 827-8367
FAX: (206) 827-9405

Key Personnel: Buddy Logan, Pres.; Steve Shain, Nat'l Sales Mngr.; Kathy Graham, Cust. Svc. Mngr.
Replacement locks, lock parts, keying kits, etc. For over 30 makes of Asian, European and domestic vehicles.

Badge-A-Minit
P.O. Box 800
LaSalle, IL 61301
800-223-4103
FAX: 815-883-9696
Key Personnel: Debbie Bachum, Mktg. Dir.
Badge-A-Minit has been America's leading manufacturer of buttonmaking machines & accessories since 1972. We manufacture portable machines for making 2 1/4" and 3" buttons.

Baldwin Hardware Corp.
841 E. Wyomissing Blvd.
Reading, PA 19612
(800) 437-7448 (East Coast office)
(800) 959-3568 (West Coast office)
FAX: (800) 255-9785 (East Coast office)
FAX: (800) 959-9859 (West Coast office)
Key Personnel: Anthony Sturrus, Pres.; Tom Downey, VP Sales; Mike Babula, Sales Mgr. (East); Ron Carlon, Sales Mgr. (West).
Baldwin manufactures a complete range of premiere solid brass residential and commercial door hardware. Many trim styles are available in The Lifetime Finish™, a technological breakthrough that provides tarnishless, carefree brass for a lifetime.

J. Barra
8555 Tonnele Ave.
N. Bergen, NJ 07047
(201) 868-4444

Barry Supply Co.
Division of Barry Industries, Inc.
36 West 17th St.
New York, NY 10011
(212) 242-5200
Key Personnel: B.Wein, Sales;W.Wein, Purch.
Barry Supply Co. has been in business over 25 years. The company specializes in the manufacture and distribution of window and door hardware for replacement. Customer base is worldwide. Samples are required for correct matching.

Baton Lock Co.
11521 Salinas Drive
Garden Grove, CA 92643
(800) 395-8880
FAX: (714) 530-9813
Key Personnel: Peace Hsu, Pres., Sharon C. Hsu, VP; Kris Newman, Sales Mgr.
On September 1, 1982, Baton Lock Co. was founded and on September 1, 1989, it was incorporated. Products: stainless steel padlocks, brass padlocks, laminated steel padlocks, space locks, 6 pin rekeyable padlocks components with the most popular keyways, A1-Security cam locks, tubular key cam locks, switch locks, economy cam locks and accessories, D key rings/tags.

Bax Technologies
1816 Johns Drive
Glenview, IL 60025
(708) 729-8339
FAX: (708) 729-7886
Key Personnel: Frank P. Baxpehler, Pres.
Bax Technologies is a division of F.P. Baxpehler & Associates, Ltd. supplying a unique line of "Integrated Coble Locks" to manufacturers and importers/master distributors.

Bell Detector Mirrors
Division of Bell Glass and Mirror Co.
894 Coney Island Ave.
Brooklyn, NY 11218
(718) 633-4000

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It's your reputation.

Trust the original.

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FAX: (718) 854-8909
Key Personnel: Art Brenner, GM
Manufacturers of U.S. and foreign-patented Bell Detection Mirrors, Bell Security Mirrors, Bell Surveillance Mirrors, Bell Safety Mirrors, Bell Traffic Mirrors, Bell Inspection Mirrors, Bell Mini-Domes, and Bell Convex Mirrors, for safety, security and accident prevention.

Belwith International, Ltd.
4300 Gerald R. Ford Fwy.
Grandville, MI 49418
(616) 531-4300
FAX: (616) 247-4090
Key Personnel: Joe Withers, Pres.; Mark Perley, VP Sales /Mktg.; Donald K. Pegel, Dir. of Mktg. Rich Cross-N'tl Accts. Mngr.
Belwith offers a complete line of auxiliary security devices. Full line of padlocks, window locks, keyed window locks, keyed door lock, night latches, deadbolts, keyed specialty locks. Locksmith, in store display merchandisers also available.

Best Lock Corp.
P.O. Box 50444
6165 E. 75th St.
Indianapolis, IN 46250
(317) 849-7829

Best Power Technology, Inc.
P.O. Box 280
Necedah, WI 54646
(608) 565-7200, (800) 356-5794
FAX: (608) 565-2221
Key Personnel: Ken Urban, Mgr. of Mktg. Com., William Paul, Pres. & CEO, Steve Paul, VP Eng.
On-line, advanced technology, uninterruptible power systems from 360VA to 18 KVA protect micros, minis, workstations, LANs, telecommunications equipment and anything else that needs continuous, computer-grade power. All models are made in the USA, and all 60 hertz models are UL listed. CSA certification is available as an option.

Bewator
2450 Route 130
Cranbury, NJ 08502
(609) 655-7755 (800) 852-8524
FAX: (609) 655-7711
Key Personnel: William Squires, Pres.; Larry Maguire, VP Distb. & Sales
Bewator manufactures code lock, card reader and telephone and intercom access control equipment ranging from stand-alone single-door units to multi-door control units and fully integrated systems. Bewacode, Bewagard, Bewatel, Bewacom, and Bewapass brands are renowned for their simplicity and ease of installation throughout Europe.

Blackhawk Products
25913 County Rd. T.5
Dolores, CO 81323
(303) 882-7191
FAX: (303) 882-7191
Key Personnel: Roger Wetzenkamp
Software for IBM include COD: Codes on Disk; KBX: Key Blank Cross-References; HLI: Fit the Combination; CBI: Code Book Index; PIC: Pin Chart for Interchangeable Cores; RCI: Remote Control for the ITL 9000; RDA: Reverse Domestic Auto; GM: General Motors 1994+ Codes. Also GM and Chrysler reverse code books.

Bommer Industries, Inc.
P.O. Box 187
19810 Asheville Hwy.
Landrum, SC 29356
(800) 334-1654
FAX: (803) 457-2487
Key Personnel: P.E. Frohlich, Pres.; W.J. Laughridge III, N'tl Sales Mngr.; Robert J. Juzzi, AHC, Asst. Sales Mgr.
Bommer has added a complete line of architectural grade hinges to their broad offering of "specialty hardware" for the contract and commercial markets. This new line complements 116 years of quality spring hinges and lavatory products supplied to the builders hardware industry. Bommer also continues a full line of USPS approved mailboxes.

Borroughs Tools
2429 N. Burdick
Kalamazoo, MI 49007
(616) 345-2700
FAX: (616) 345-9121
Key Personnel: Joyce Pierce, Purchasing
Service tools for GM automotive lock systems.

Brella Corp.
27 Windover Drive
Brevard, NC 28712
(704) 885-2780
FAX: (704) 885-2780
Key Personnel: George Simmons, Pres.; Scott Sparaman, VP Prod.; Tom Hughes, VP R&D.
Brella Corp., is a product development company, working with inventors to get their products into the marketplace. One of our current new products is "The Hook" which was designed to provide additional security for mobile home doors. Other Brella products serve health care, small business and novelty markets.

Briggs & Stratton Tech.
P.O. Box 702
Milwaukee, WI 53209
(414) 259-5333
Key Personnel: Harry Stratton, VP-Corporate Mgr.; Mike Elliott, VP-Sales/Mktg.; Scot Hooper, Mgr. Svc. and Aftermarket Sales.
Briggs and Stratton has been a supplier of quality automotive locks since 1907. Briggs has been the choice of General Motors, Chrysler, Ford and all major over the road truck

Continued on next page

ASP Inc.

ASP Covers the World of Auto Locks

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BRIGGS & STRATTON

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manufacturers. These OEM quality locks are available to the locksmith through 73 authorized wholesale distributors.
See ad on page 25

R.R. Brink Locking Systems Inc.
500 Earl Road
Shorewood, IL 60436
(815) 744-7000
FAX: (815) 744-7020
Key Personnel: Robert R. Brink, Pres.; Diane M. Ganster, VP-Operations; Charles R. Brink, Sales/Mktg./Estimates Mgr.
R.R. Brink Locking Systems manufactures electromechanical locks and control systems with emphasis on detention hardware. Included in the product line are: Heavyduty swinging door electric locks; sliding door locking and operating devices, access panel latches and deadbolts; door position switches; security door pulls; and high-security six pin cylinders.

The Broadway Collection
1010 W. Santa Fe
P.O. Box 1210
Olathe, KS 66051-1210
(800) 766-1966
FAX: (913) 782-0647
Key Personnel: Craig Miller, VP Mrkt. & Prod. Merchandising
The Broadway Collection designs, manufactures and markets fine decorative door hardware, plumbing fittings and accessories. Our beautifully designed mortise and tubular locksets feature concealed mounting trim for ease of installation, durability and increased security. Our ANSI Grade 1 mortise locks and hardware are UL listed for use on fire doors.

Brookfield Industries
99 West Hillside Ave.,
P.O. Box 548
Thomaston, CT 06787
(203) 283-6211
FAX: (203) 283-6123
Key Personnel: Karl Kinzer

Brown Safe Mfg.
439 W. San Marcos Blvd.
San Marcos, CA 92069
(800) 641-7233, (619) 744-4888
FAX: (619) 744-4055
Key Personnel: Frederick L. Brown, Pres.; Lynel C. Brown, Office Mngr.
Manufacturers of burglary safes and vaults, including floor safes, burglary chests, gun and wall safes for the home and office. Jewelers safes offered in TL-15, TL-30, and TRTL-30x6 ratings and a complete line of B, C, and TL-15, TL-30 rated depositories. Custom safes for individual and contract quantities are also available.

Buddy Security Systems
1350 S. Leavitt
Chicago, IL 60608
(312) 733-6400
(800) 886-8688
FAX: (312) 733-8356
Key Personnel: Sam Diriglio, Sr., Pres.; Rich Matula, Mktg. Mgr.
Buddy Security Systems manufactures all their products in the USA. They have a complete line of high quality cash boxes, key cabinets and an ever-expanding line of safes.

C&A Control Systems Inc.
7117 Commercial Park Drive
Knoxville, TN 37918
(615) 922-2148
FAX: (615) 922-2148
Key Personnel: Alex Cantrell, Pres.; Rick Cantrell, Mgr.
C&A Control Systems, Inc. has been recognized as the pioneer and leader in remote auto starting since 1983. We are committed to continue setting the pace. Our SmartGuard™ and LA-Z Start™ products are made in the USA. Call us for a brochure and information package.

California Security Cans
530 Cypress Ave.
Hermosa Beach, CA 90254
(800) 848-0067
FAX: (310) 372-2160
Key Personnel: Margaret Meenahan
We specialize in the manufacture of can safes made from the actual product container.

Cannon Safe Inc.
9358 Stephens St.
Pico Riveria, CA 90660
(213) 692-0636,
(800) 242-1055(Nat'l.)
FAX: (213) 692-7252
Key Personnel: Steve Baker, Pres.; Richard J. Rundell, GM.
Manufacturer of various size steel commercial safes, plus gun and home security safes.
See ad on page 99

Cansec Systems Ltd.
2 Robert Speck Pkwy., Suite 570
Mississauga, Ontario, Canada L4Z 1H8
(905) 897-1762
FAX: (905) 897-5588
Key Personnel: Fred Dawber, Pres.; Jim Brion, Sr. VP; Bob Rockin, Dir., Sales & Mktg.
Cansec manufactures a complete line of Card Access Panels and software from single door systems to large proprietary security systems running under OS/2. All Reader technologies are supported, including Cansec's Premium Mag Stripe Readers, and the Touchkey and Smartkey Key chain tokens which can also be used for Debit/Credit applications.

Capricorn Electronics Inc.
48 Capricorn Dr.
P.O. Box 66
Maiden, NC 28650
(704) 428-3451, (NC),
(800) 438-3750 (Nat'l)
Key Personnel: Keith Long, Pres.; Bill Groening, VP Eng., Robbie Roberson, VP-Op.
Complete burglary and emergency wireless/hardwire systems. Identification up to 48 individual keypad, smoke, handheld, window/door, miniaturized pendant, glassbreak, transmitters, etc. Hardwire zones identified also.

Cardkey Systems Inc.
101 West Cochran St.
Simi Valley, CA 93065
(805) 522-5555
FAX: (805) 526-0084
Key Personnel: James Hunter, GM; Edie Gelardi, Mktg. Comm. Mgr.
Applications for Systemtics products range from single door control of a small shop or business to control up to four doors. The products are truly cost effective and have been designed for easy installation by professional locksmiths and alarm system installers.

CCL Security Products
199 Whiting St.
New Britain, CT 06051-4360
(203) 229-6199
FAX: (203) 223-7601
Key Personnel: Kevin G. Jacob, Dir. Sales/Mktg.; Patricia M. Daigneault, Nat'l Sales Mgr./Canada/Inside Sales Mgr.
CCL Security Products is a quality manufacturer of padlocks and cabinet hardware. Product line includes the Sesamee "keyless" padlock line, keyed padlocks, cabinet, drawer, enclosure, sliding door, cam, and special purpose locks along with handles and drawer pull catches. A member of the Eastern Company.

Cellular Alarm Prod., Ltd.
2575 Southwell, Ste. 104
Dallas, TX 75229
(214) 620-0156 (800) 752-9719
FAX: (214) 620-7205
Key Personnel: Micheal Lebowitz, Managing Prtnr.; Jerald Hopkins, Tech.; Mindy Casey, Credit.
Cellular Alarm Products was established in 1987 and manufactures a cellular communication system that can serve as either primary or secondary communication. The product is made with Motorola Equipment and a grade A&B UL approved unit is available.

Chapman Security Systems
100 Eastern Ave.
Bensenville, IL 60106
(708)766-4060

Chicago Lock Co.
4311 W. Belmont Ave.
Chicago, IL 60641
(312) 282-7177
Key Personnel: Dale N. Padjen, Sales Mgr.
Over 70 years experience in the design and manufacture of locking cylinders. The original designers of the Ace tubular lock. Products available through local distributors are original replacement keybanks, single bit, double bit, Ace and pin tumbler locks.

Chinon America, Inc.
1065 Bristol Road
Mountainside, NJ 07092
(908) 654-0404
FAX: (908) 654-6656
Key Personnel: Ken Gerb, Nat'l Sales Mgr.
Chinon offers a complete line of B&W/Color CCTV cameras and board level cameras.

Cincy Safe
4385 Creek Rd.
Cincinnati, OH 45241

Circle-Ess, Inc.
214 East 2 St.
Hastings, NE 68901-5217 USA
(402) 462-2737 (1-9 p.m.CT)
Key Personnel: B. Gifford Sager, Pres., 1919 Bateman St. (402) 462-4389; H. Roger Grace, Sec./Treas.
Circle-Ess key machines, principally the M68202, operates on 12 volts AC or DC and 120 volts AC 50-60 cycle, or can be rewired to operate on 208 to 250 volts, 50-60 cycles AC.

Cobalt Manufacturing, Inc.
1512 135W Units 106-07
Denton, TX 76207
(817) 382-8986
FAX: (817) 383-4281
Key Personnel: Craig Watkins, Sr., Pres.; Richard Smith, VP; Craig Watkins Jr., Prod. Mngr.
Gun safe manufacturer. Standard features include UL listed, (tool attack), fire lined door and body, high gloss paint (5 coats), full interior carpet and choice of interiors. Also includes lifetime product warranty, free lifetime replacement guarantee. Sold through store front dealers only.

Code Key Corp.
9055 Freeway Dr.
Macedonia, OH 44056
(216) 473-2000, (800) 332-6530
FAX: (216) 467-7599
Key Personnel: William E. Sheaard, Pres.

Colonial Bronze Company
511 Winsted Road
P.O. Box 207
Torrington, CT 06790
(203) 489-9233
FAX: (203) 482-8760
Key Personnel: James Gregg, Pres., James A. Gregg, CEO; Sheila T. Gregg, Mktg.
Since 1927, Colonial Bronze has manufactured 100% American made solid brass cabinet and architectural hardware. Colonial offers all of its products in every finish, from polished brass to satin copper to chrome. Colonial also offers the largest selection of Corian Cabinet hardware available.

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Colorado Car • Safe Company
1944 S. Kearney Way
Denver, CO 80224
(303) 692-8044
Key Personnel: William Carmichael, Pres.; Tina Carmichael, Nat'l. Sales
Car•Safe is a low profile safe designed to bolt under the seat of a vehicle or in the trunk. Reinforced removable lid, for ease of use in tight spots. Two sizes, three models: 9.5" x 11.5" x 2.87" and 12" x 12" x 3.5", two metal thicknesses - 11 gauge and 14 gauge.

Commercial Van Interiors
8840 St. Charles Rock Rd.
St. Louis, MO 63114
HQ: (800) 759-7477 (St. Louis, MO)
(310) 695-7477 (Los Angeles, CA)
(619) 278-7477 (San Diego, CA)
(602) 278-7477 (Phoenix)
Key Personnel: HQ: Mark Stegen, Steven Klobassa; LA: Paul Dalbec; SD: Greg Hutchison; PHX: Jeff Fitzgerald
Commercial Van Interiors distributes nationwide complete lines of service vehicle equipment including shelving, bins, drawer units and safety partitions. Manufactures custom workbench tops, sloped key machine mounting bases and miscellaneous locksmith specialty equipment. Prearranged locksmith packages available. Large inventories for immediate shipment. Installation available through branch locations or a nationwide field installation program. MasterCard and Visa accepted.
See ad on page 36

Continental Instruments
70 Hopper St.
Westbury, NY 11590
(516) 334-0900
FAX: (516) 334-0235
Key Personnel: Michael Morgenstern, Pres.; John Banks, VP; Robert Weinstein, Mktg. Mgr.
Access control systems that control from one to hundreds of doors and thousands of card holders and also monitors alarm inputs. A choice of Proximity, Wiegand, Magnetic stripe or Infrared reader technology. All systems are available with English language printout. Also Cypher™ lock, electronic combination lock.

Continental Micro, Inc.
P.O. Box 394
Park Ridge, IL 60068
(708) 692-3630
Key Personnel: Thomas Swiderek, Pres.; Toni Lane, VP
Manufactures of code cards of all types for HPC 1200 CM Code-A-Key Code Machine. High grade cutters for 1200 CM Code Machine.

Corbin Russwin Architectural Hardware
225 Episcopal Rd.
Berlin, CT 06037
(203) 225-7411
FAX: (203) 828-7266
Key Personnel: John R. Gamble, Pres.; Tom Haapala, VP Sales & Mktg.
Corbin Hardware has been providing quality hardware since 1849. Complete line includes locksets, closers, exit devices, key systems, and related locksmith supplies and parts.

Corby Industries, Inc.
1501 E. Pennsylvania St.
Allentown, PA 18103
(800) 652-6729, (215) 433-1412
FAX: (215) 435-1963
Key Personnel: Jeffrey Anthony, Sharon Cain, Richard O'Donnell
Corby Industries, Inc. provides access control systems, accessories, supplies and digital electronic keypads for every application. Corby systems are available for any size installation. From a single door with several hundred users to computer-based systems with hundreds of doors, multiple building locations and thousands of doors, multiple building locations and thousands of users.

CorKey Control Systems, Inc.
3427 Enterprise Ave.
Hayward, CA 94545
(800) 622-2239, (510) 786-4241
FAX: (510) 786-2090
Key Personnel: Brad Cecil, Nat'l. Sales Mngr.
CorKey is the world's leading manufacturer of mechanical card access systems. Easy rekeying and encoding allow effective key control without wiring, batteries, or computers.

Cosmo Electronics, Inc.
250 N. Roberson Blvd., Ste. 600
Beverly Hills, CA 90211
(310) 858-0433
FAX: (310) 858-8873
FAX: (800) 553-5773 (outside CA)
Key Personnel: K. Takahashi, VP; R. Taforteza, Mgr. Sales/Mktg.; S. Lee, Sales Assoc.
Cosmo Electronics Inc., is a manufacturer of digital safes widely known among hotels with over 150 hotel clients worldwide. Carries distinctive patented electronic safes that offer the highest Japanese standard of quality at an affordable price. Models are designed for burglar, pick and fireresistance.

Crime Prevention Magazine
1533 Burgundy Pkwy.
Streamwood, IL 60107
(708) 837-1210
FAX: (708) 837-1210
Key Personnel: Marc Goldberg, Editor/Publisher; Tom Seroogy, Managing Editor; Jeff Adair, Dir. of Sales & Mktg.; Debbie Schnitzing, Adv. Acct. Mgr.
CRIME PREVENTION is a quarterly consumer magazine containing news and features to give individuals useful and informative material about ways to protect themselves and their families, businesses and property against crime.
See ad on page 29

Continued on next page

DCI

Don't panic!
We have Security
Exit Devices.

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Continued from previous page

Crimestopper Security Products, Inc.
1770 So. Tapo St.
Simi Valley, CA 93063
(805) 526-9400 (800) 66-ALARM
FAX: (805) 581-9500
Key Personnel: Howard Miller, Pres.; Sharon Miller, VP; Larry Peterson, GM
Complete line of automotive security products and accessories including remote control devices, paging alarms, digital and keyless entry systems, key type systems to meet every requirement and vehicle.

Curtis Industries, Inc.
34999 Curtis Blvd.
Eastlake, OH 44094
(216) 951-2400
FAX: (216) 951-6330
Key Personnel: M. Andrien, CEO; J. Caldwell, Pres.; J. Szeitner, Sec. Prod. Mgr.
Curtis is a leading manufacturer of key blanks, key duplicating machines, (including the 1000 manual, the Keymatic 2000, and the Keymatic 3000), the Number 15 Code Cutter. Curtis also distributes many additional locksmith items via its own sales force covering the U.S., Canada and U.K.

Customline, Inc.
950 W. Cienega Ave.
San Dimas, CA 91773
(909) 592-6200
FAX: (909) 599-5776
Key Personnel: Michael Whiting, Sales; Dee Gilbert, Sec.
Customline Gate Operators have been manufactured since 1905. We provide a complete line of gate equipment from three foot pedestrian gate releases to operating equipment for 200 foot, long commercial gates. Custom equipment is available to meet your specific requirements. Assistance in design, specification writing and engineering is available.
See ad on page 124

Cutler Mfg. Corp.
P.O. Drawer M
Eaton Park, FL 33840
(800) 237-2312
FAX: (813) 646-4517
Key Personnel: Karhie Guthrie, Sales Supervisor.
Cutler Manufacturing Corporation has supplied the building industry with quality postal specialty items since 1883. During the past twentyfive years, Cutler has diversified its product line to include trash and linen chutes, tenant storage lockers, pneumatic air tub systems and newspaper vending racks.

CWECO
P.O. Box 2456
Gardena, CA 90247
(800) 292-9326
FAX: (800) 232-9326
Key Personnel: David Gursky, Pres.; Chuck Magnusson, VP
CWECO manufactures stainless steel grab bars and has a complete line of Zamak bathroom accessories, soap dispensers, hotel, motel and commercial washroom accessories.

Darex Corporation
Box 277-220 Hersey St.
Ashland, OR 97520
(503) 488-2224 (800) 547-0222
FAX: (503) 488-2229
Key Personnel: David Bernard, Pres.; Curt Anderson, Mrktg Dir.
Darex Corporation is known throughout the world as the leading producer of precision sharpening equipment for drills, endmills and taps. Darex sharpeners are simple, accurate and they will save you time and money. For complete information Darex has available comprehensive literature and a free video.

Dayton Safe Company
511 N. Findlay St.
Dayton, OH 45404
(513)461-3900
Key Personnel: Sara Nagler, Pres.; Elliot Nagler, Sec'y.
Dayton Safe Company has a standard line of money chest models, these units can be modified to satisfy your requirements. We also custom design and build, from drive-up depositories to under counter "bleed boxes." Our solid steel safes are available in "B," "C," and "E" rate, with deposit slots, time locks, etc.

Deerfield Lock Co., Inc.
4284 Enterprise Ave.
Naples, FL 33942
(813) 643-3323
Key Personnel: C.H. Kneebone, Pres.

Deck Slider of Florida
27641-2 Redford Ct.
Bonita Springs, FL 33923
(813) 947-5818 (800) 782-1474
Key Personnel: Robert Gaynor, Pres.
Manufactures and sells Deck Slider II, a state-of-the-art cargo access and storage system for pickups, vans and suburbans. Deck Slider II mounts to the vehicle bed and slides out like a drawer, providing quick and easy access to cargo.

Delta Vehicle Security
9862 Glenoaks Blvd.
Sun Valley, CA 91352
(818) 771-1127
FAX: (818) 771-0785
Key Personnel: Jack Nalbjian, Mkt. Mgr.; Joe Nalbjian, Tech Mgr.
Delta Vehicle Security, established in Nov. 1985, was founded on the principles of



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providing the highest quality USA made vehicle security systems and accessories with the newest technology and simple, but powerful modular designs. Ease of installation and backing th dealer with technical support are the keys to the success of Delta.
See ad on page 169

Deronde Products, Inc.
200 Cornwall Ave.
P.O. Box 243
Buffalo, NY 14215-0243
(716) 895-8888, (800) 346-8926
FAX: (716) 895-9987
Key Personnel: Alexander Catalano, Pres.; Charles N. Long, Jr., Contract Admin.
Deronde Products, manufacturers of custom steel, stainless steel and textured stainless steel doors and frames for the commercial market as well as the institutional market. Deronde stocks galvannealed sheet steel and stainless steel in gauges ranging from 18 to 12 gauge.

Detec Security Systems, Inc.
927 Calle Negocio, Suite A
San Clemente, CA 92673
(714) 366-9391
FAX: (714) 366-9436
Key Personnel: Mike A. Sarisky, Pres.
Designers and manufacturers of innovative security equipment for home, business, motorhome, boat and door announcers. Our entire product line is designed for the do-it-yourself project.
See ad on page 28

Detection Systems, Inc.
130 Perinton Parkway
Fairport, NY 14450
(716) 223-4060 (800) 289-0096
FAX: (716) 223-9180
Key Personnel: Karl H. Kastusiok, Pres.

Detex Corp.
302 Detex Dr.
New Braunfels, TX 78130
(210) 679-2900, (800) 729-3839
FAX: (210) 620-6711
Key Personnel: Philip Haselton, Pres.; John Bladget, VP; Robert MacDonald, Dir. Mktg./Sales
Designs, manufactures and distributes exit locks, alarms, remote panels, access control devices and associated commercial/industrial door security products. Off-the-shelf units capable of stand-alone or interface into complete systems capable of meeting the specific need.

Detroit Mini-Safe Co.
9950 Freeland Ave.
Detroit, MI 48227
(313) 931-7720
FAX: (313) 931-7758
Key Personnel: Sheldon Wiener, Owner
All steel deposit safes for trucks, stores, theaters, gas stations.

Diebold, Inc.
3320 Gilchrist Rd.
Mogadore, OH 44256
(216) 798-5625
FAX: (216) 798-5626
Trade names - Banklock

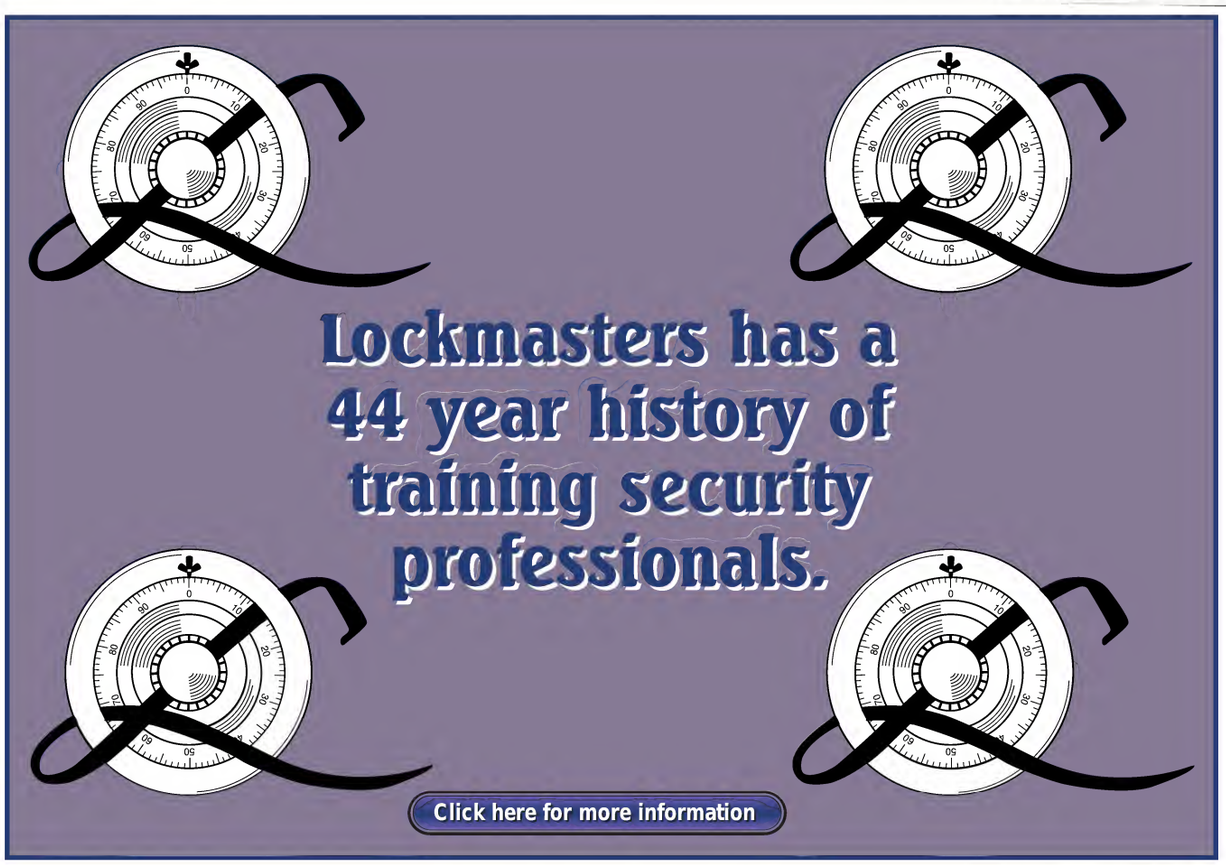
Dom Security Locks
A Black & Decker Co.
100 Central Ave.
Brockville, Ontario
Canada K6V 5W6
(800) 363-4803
FAX: (613) 342-2685
Key Personnel: Felice Iatolla, Mktg. Mgr.; J-Ph Jacquet, Sales Mgr.; Domenic Cicchini, Cust. Serv.
Dom Security Locks is a major manufacturer of high security cylinders, locksets, commercial and industrial grade disc tumbler locks, key systems and related locksmith supplies.

Domus Industries, Inc.
5550 E. 33rd. St.
Indianapolis, IN 46226
(317) 898-8870
FAX: (317) 898-1130
Key Personnel: Rino di Jorio, Pres.; Laura Bandy, VP.
Domus Industries Inc. manufactures high quality custom residential hardware.

Don-Jo Manufacturing
P.O. Box 929
Sterling, MA 01564
(508) 422-3377
FAX: (508) 422-3467
Key Personnel: Tim Roy, VP; Karen Martin, Op. Mgr.
Don-Jo Manufacturing manufactures wrap-around plates, remodels plates, push & pull plates, kick-plates, latch protectors, strike plates and filler plates, combining all accessories for door and frame into one complete product line, packaged and cataloged with locksmiths in mind.
See ad on page 149

Door Aid®, Div. of M.S.S.
5148 Lovers Lane
Kalamazoo, MI 49002
(800) 527-5672
FAX: (616) 385-3333
Key Personnel: David Carambula, Dir. Sales & Mktg.
Make your doors handicap accessible: a simple, economical automatic door operator designed to easily retrofit to commercial and residential doors. Specifically engineered to meet ANSI and ADA requirements, its rugged construction and on-demand design will provide years of virtually maintenance free

Continued on next page



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DOOR AID

Continued from previous page

service. Versatile, patented design allows for various mounting applications and will interface with electronic security hardware
See ad on page 176

Door Controls Int'l.
2362 E. Bishop Circle E
Dexter, MI 48130
(313) 426-0400, (800) 742-3634 (WATTS)
FAX: (800) 742-0410
Key Personnel: Ralph D. Maynard Jr., C.O.B.; John C. Maynard, Pres; Joseph A. Ghergo, VP-Sales & Mtg.
Door Controls International manufactures life safety hardware. The line features UL listed door coordinators, automatic and constant self latching flush bolts and accessories. The Pannex is a security fire-rated rim exit device. Capabilities include alarming, audible or silent, remote monitoring and a lock/unlock module.

Doorguard Systems, Inc.
9157 Whiskey Bottom Rd.
Laurel, MD 20723
(301) 498-7200, (800) 442-6247
FAX: (301) 498-7260
Key Personnel: Christa Lucich, Sales & Mktg. Dir.; John Shipley, Sales & Sys. Dsgn.Mgr.
Doorguard Systems, Inc. is the originator of delayed egress locking systems for emergency exit doors. Utilizing a 1200 lb. electromagnetic lock, Doorguard delays unauthorized use of emergency exit doors for 15 or 30 seconds. All products are UL listed as systems to comply with NFPA 101.

DoorKing, Inc.
120 Glasgow Ave.
Inglewood, CA 90301
(310) 645-0023, (800) 826-7493
FAX: (310) 645-7431
Key Personnel: Dusty Beeding, Sales Dir.; Rich Sedivy, Mktg. Dir.; Tom Richmond, VP
Door King is a manufacturer of access control products including telephone entry systems, digital locks, card readers, programmable remote controls, magnetic locks, and gate operators. Door King has been an innovative manufacturer since 1948.
See ad on page 151

Door Spy- Rudolph-Desco Co., Inc.
580 Sylvan Avenue
P.O. Box 1245
Englewood Cliffs, NJ 07632-1245
(201) 568-4920
FAX: (201) 568-0971
Key Personnel: Hans Baumann, Sr. VP; Michael Simond, VP
"Door Spy", the security door viewer that lets you see clearly 4-ways: forward, right, left, and below, 90 percent distortion free. UL listed fire door viewer, patented, registered trademark.

Door Systems, Inc.
2935 Byberry Rd.
P.O. Box 576
Hatboro, PA 19040-0576
(215) 672-8087
FAX: (215) 672-8298
Key Personnel: David C. Deardorff, Tanya Kunevich, Alan Scotkin.
DSI is the exclusive supplier of the Digital Door Lock®, a keyless, push-button, mechanical access control for all types of residential and commercial doors and cabinets. DSI offers eleven models and 10 finishes for both new and replacement installations.
See ad on page 112

Dor-O-Matic
Div. of Republic Ind. Inc.
7350 W. Wilson Ave.
Harwood Heights, IL 60656
(708) 867-7400
FAX: (708) 867-0310
Key Personnel: F.J. Chubbuck, Nat'l Sales Mgr.; Micheal Murray, VP &GM; Mark Dugo, Prod. Mgr.
Manufacturers of aluminum door hardware as well as hand-icap operators to comply with current laws as established by the "Hand-cap Bill of Rights, American Disabilities Act."

Dorado Systems Corporation
1842 Sabre St.
Hayward, CA 94545
(510) 783-2000
FAX: (510) 786-3028
Key Personnel: William Ragsdale, Pres.; Walt Mahoney, VP Dealer & Comm. Accts.; Fred Barbaria, VP Nat'l. Accts.
Card readers for Access Control Systems and alarm transmission units that send security signals to a central display.

Dorma Door Controls Inc.
Dorma Drive
Reamstown, PA 17567
(800) 523-8483
FAX: (800) 274-9724
Key Personnel: Stephen Hildebrand, Mktg. Mgr.
Dorma Door Controls manufactures a complete line of surface applied, concealed, and Fire/Life safety door controls.
See ad on page 117

Dortronics Systems, Inc.
1668 Sag Harbor Turnpike
Sag Harbor, NY 11963
(516) 725-0505
FAX: (516) 725-4234
Key Personnel: Paul R.Scheerer, Pres.; John Fitzpatrick, VP Sales/Prod.; Kevin King, Eng. Services.
Designers and manufacturers of electro-magnetic locking and door control equipment and special application components and systems, including direct hold surface and mortised magnetic locking devices, power supplies and systems controllers and general and special purpose controls and monitoring assemblies.
See ad on page 43

Dremel
4915 21st Street
Racine, WI 53406
(800) 437-3635
FAX: (414) 554-7654
Key Personnel: Mike Brainerd, Mktg. Serv. Mgr.
Dremel designs,manufactures and markets portable electric power tools. The company is located in Racine, WI.

A. Dyer Locksmith
951-2 Old County Rd. #329
Belmont, CA 94002
(415) 592-3226 (800) 600-MULE
FAX: 415-591-9254
Key Personnel: Robert L. Dyer
Mule Tool. Patented set of tools for opening most knob or lever locks, most deadbolts, exit devices, door chains and hotel type security bars. Conventional key, electronic card access and high security locks can be opened with the greatest of ease. Patent #5,123,307

Dynabrade, Inc
8989 Sheridan Dr.
Clarence, NY 14031
(716) 631-0100
FAX: (716) 631-2073
Key Personnel: Chip Case, N'tl Sales Mgr.
For over 25 years, Dynabrade, Inc. of Clarence, New York has earned a reputation and position of leadership in the innovative design and manufacturing of unique portable abrasive power tools for deburring, filing, sanding and finishing to meet the needs of many industries. Our goal is to provide the most complete line of high quality portable air powered abrasive power tools for the toughest finishing and sanding applications.

DynaLock Corporation
280 Redstone Hill Rd.
Forestville, CT 06011-9470
(203) 582-4761
FAX: (203) 585-0338
Key Personnel: Ralph Sittnick, Pres., Richard Gladych, Gen. Mgr.; Patti Servello, Customer Svc.
DynaLock Corporation is a manufacturer of standard and delay egress electromagnetic locks plus electric deadbolt locks for high security and access control installations. Necessary system components such as station controls, keyswitches, power supplies and consoles are also available.

Easikey
1800 Abbott Street
Salinas, CA 93901
(800) 757-8877
FAX: (408) 757-2438
Key Personnel: Steve Rogers, Sales Mrkt Mgr., Access Control Sales Support (Ext. 586).
Affordable proximity access control for two doors and 99 users. Easikey readers are weatherproof and easy to install. The vandal-resistant reader will withstand abuse. The mullion reader fits on a door frame. Each electronic key has a lifetime warranty, cannot be copied and is easily added/deleted from any Easikey system.

Eclipse Industries
1250 Industrial Ave.
Escondido, CA 92029
(619) 746-1016
FAX: (619) 739-0072
Key Personnel: Martin Stinson, Pres.; Robert Pedaicord, Mgr.
Manufacturer of "B","C",and "E" rated burglary chests, depository safes, gun safes, and "Rota-Bolt" in-floor safes. All made in the USA.

Electronic Locking Specialties, Inc.
2043 Wellwood Ave.
East Farmingdale, NY 11735-1283
(516) 753-6100, (800) 526-9000
FAX: (516) 753-6004
Key Personnel: John Fitzpatrick
Manufacturers of various electronic locking devices and accessories for the access control and electronic locking industry. Also distributes for most major electronic lock manufacturers.

EMX Incorporated
5325 Naiman Parkway #F
Solon, OH 44139
(216) 349-0909 (800) 426-9912
FAX: (216) 349-5011
Key Personnel: Joe Rozgonyi, Pres.
EMX, Inc. manufactures sensors,key reader and controls used in doors, gates and barriers.

Engineering Unlimited, Inc.
1320 12th Ave. N.
Minneapolis, MN 55411
(612) 522-4040
FAX: (612) 522-2829
Key Personnel: Joe Gillis, Mktg. Mgr., S. Werner,VP.
Only manufacturer of sterling rotary shackle padlocks. Available in steel or all brass models. Two sizes. Excellent corrosion resistant features. Major users include utilities, CATV, municipalities, industry, lock-out. Also available "one-shot" security seals. Cost competitive.

Enixus Trade, Ltd.
34 Dunkirk Rd.
St. Catharines, Ont. Canada L2R 1A1
(416) 682-3086
FAX: (416) 682-4744
Key Personnel: George Papaiz, Bruno Papaiz, Directors.
Enixus Trade, Ltd., incorporated in 1986, is a growing St. Catherines based company situated within one day's trucking to 56% of the North American manufacturing market. The company stocks and extensively distributes

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Enixus solid brass padlocks and furniture locks. It enjoys a reputation for quality and fast service throughout the industry.

Escalera, Inc.
708 Industrial Dr.
P.O. Box 1359
Yuba City, CA 95992

Esmet, Inc.
1406 5th St. SW
Canton, OH 44702
(800) 321-0870
FAX: (216) 452-2557
Key Personnel: Dot Pullin, Sales; Bill Frye, Sales; Jim Ripple, Mktg. Mgr.
Esmet, Inc. manufactures high security locks, storage containers and weapon rack systems under the brand, Tuflac™. Tuflac products are used in commercial, industrial, law enforcement and military buildings and vehicles.

ESP Corp.
(Engineered Security Products)
375 Harvard St.
Leominster, MA 01453
(508) 537-6121
FAX: (508) 537-1699
Key Personnel: Vince Spadafora, VP Sales & Mktg.; Patrick Baker, Nat'l Sales Mgr.
Manufacturer of key banks, key duplicating machines, locksmith tools and equipment, coin locks, desk and pin tumbler, mailbox and file cabinet locks, consumer accessories including Hide-A-Key, Key Koil, Identa-Key, Design-A-Coil, Spiderclip and Key Klip. Other trade names: Hide-A-Key Plus.
See ad on page 15

Essex Electronics, Inc.
1130 Mark Ave.
Carpinteria, CA 93013
(805) 684-7601, (800) KEYLESS
FAX: (805) 684-0232
Key Personnel: Michael Kaufman, Dir. Sales & Mktg.
Essex Electronics, Inc. manufactures the Keyless Entry® Access Control systems for residential, commercial and elevator applications. Specializing in durable, weatherproof and vandal resistant keypads.

Excalibur of America
8757 S. Fieldcrock Rd.
Douglasville, GA 30134
(404) 942-9876
Key Personnel: Ron Murphy, Nat'l. Sales Mgr.
Since 1970, more than 8 million people worldwide have trusted their vehicles security to the designers of Excalibur. Excalibur manufactures over 70 parts and accessories for customized installations of any one of the numerous Excalibur alarms available on the market.

Henry A. Evers Corp.
72 Oxford St.
Providence, RI 02905
(401) 781-4767
FAX: (401) 781-9581
Key Personnel: Rosemarie Naismith, Sales Mgr.; Anthony DiOrio, Pres.
Manufactured steel marking devices such as hub forcers, die (embossing) key stamps, tang stamps. You create it, we make it.
See ad on page 66

Facilitrac®
64 E. Broadway Ste. 230
Tempe, AZ 85282
(602) 967-8617, (800) 843-8722
Key Personnel: Mike Marinello, Mktg. Dir.
Grandmaster ® PC-based computerized key control software. Tracks thousands of locks, keys, personnel and all other related information. Prints 14 informative reports for locksmiths as well as the office administrator. Easy to operate, simple to set-up, with multi-level password security and online help.

NT Falcon Lock
7345 Orangewood Ave.
Garden Grove, CA 92641
(714) 373-2880, (800) 266-4456
FAX: (714) 373-1377
(800) 777-8229
Key Personnel: E.F. Johnson, Pres., Ed Poole, VP Sales & Mktg.; Don Johnson, Regional Sales Mgr.; John Dierdorf, Reg. Sales Mgr.
Falcon is a full line commercial locking manufacturer able to supply standard keyways and interchangeable core systems within eight weeks of order in all architectural finishes.

Federal Lock Company
1320 Enterprise Drive
Romeoville, IL 60441
(708) 378-4745
FAX: (708) 378-4767
Key Personnel: Kenneth Erickson, Pres.; Mike Cantino, Dir. Sales; Loring Johnson, Dir. Prod. Mgmt.
Federal Lock Company, with production facilities in Romeoville, IL offers a complete line of padlocks (solid steel, shrouded shackle, and Lock Tech/OEM Tech series) to the security industry. In addition, quality hasps, service parts and pinning kits are available for complete product serviceability.
See ad on page 187

Fiber Options, Inc.
80 Orville Drive
Bohemia, New York 11716
(516) 567-8320
FAX: (516) 567-8322
Key Personnel: Robert De Lia, CEO; Jack Fitzsimmons, VP Telecomm.; Rita Edrich, Sales Admin.
Manufacturer of state-of-the-art fiberoptic links based on sine-free optical-fiber technology for transmission of voice, video, and data within

Continued on next page

LSM
LOCKMASTERS SECURITY MANAGEMENT ™

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Providing quality tools, parts, and service for the security professional.

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FIBER OPTIONS

Continued from previous page

CCTV security systems. Features include: diagnostic LEDs; AGC circuitry; advanced modulation techniques; easy-to-terminate connectors; AC, DC, or battery power; standalone or racked modules.

Folger Adam Co.
16300 W. 103rd St.
Lemont, IL 60439
(708) 739-3900
FAX: (708) 739-6138
Key Personnel: Edgar B. Jewett, Pres., Robert J. Carter, VP-Sales; A.A. Nobile, Sales Mgr., Architectural Security Products.
Folger Adam Company manufactures a complete line of door security products including electric strikes, electric locks, electric deadbolts, institutional and high-security hinges. Desktop control consoles, and a variety of remote actuation/control devices such as pushbuttons and keyswitches are also offered.

Fort Knox Security Products
1051 No. Industrial Park Rd.
Orem, UT 84057
(800) 821-5216
FAX: (801) 226-5493
Key Personnel: T. J. James, Pres., Dave Cox, Mktg. Dir.
Fort Knox is the most trusted name in security and we offer a full line of quality safes. The Chuck Yeager series features concealed hinges, reinforced door, 1200 degree certified fire protection, corner bolts and a patented rack and pinion locking mechanism. Our Executive, Guardian and Protector series offer similar security advantages including a UL Listing and lifetime warranty.
See ad on page 165

Fort Lock Corp.
3000 River Rd.
River Grove, IL 60171
(800) 323-1587, (708) 456-1100
Key Personnel: Lloyd Falk, Pres.; John Hurzenlaub, VP-Mktg./Sales
Manufacturer of round and flat key switch, cam and specialty locks. A complete series of these locks are manufactured as multi-function locks® exclusively for the locksmith. All come packaged to create many different locks all from one set of parts and are rekeyable. Contact factory to become an authorized dealer.

Frame, Inc.
578 S. State College Blvd.
Fullerton, CA 92631
(714) 441-0544
FAX: (714) 441-0543
Key Personnel: Randy LeSage, Dir. Mrktg., John Correll, Tech. Supt.; J. Mike Murphy, Cust. Serv.
Manufacturers of the TechniCode brand access control systems. Over eleven years experience. Self-contained, stand-alone, and computer connected systems are available for both card reader and pushbutton digital code applications. Units are particularly well suited to outdoor applications.

Framon Manufacturing Company Inc.
909 Washington Ave.
Alpena, MI 49707
(517) 354-5623
FAX: (517) 354-4238
Key Personnel: Mike Agius, V. P.; Phil Agius, Sales Dir.; Ann Agius, Sec./Treas.
Framon Mfg. produces a full line of precision key machines including the #2 code machine, EXPRESS semi-automatic duplicator, the Sidewinder high security automotive duplicator, DBM-1 flat steel duplicator, TKM-100 tubular key machine, and DC-300 automotive code/duplicating machine. Framon also produces small tools for the locksmith profession.

Franklin Manufacturing
Div. of Embassy Inc.
300 Smith Street
Farmingdale, NY 11735
(516) 694-1800
FAX: (516) 694-1836
Key Personnel: Lawrence Franklin, Pres.; Pat Rosen, Administrative Asst., Jesse Taub, NY Sales Mgr.
Passage, private and entry locksets. Manufacturer and importer of quality security products since 1925. Line includes deadlocks, jimmy proof locks, night latches, garage door locks, rim and mortise cylinders, chain door guards, door viewers, police locks, showcase locks, letter box and drawer locks, patio doors and all types of window locks. Also, "Saf-Escape" instant fire escape ladder.

Frontier Safe Co.
1317 Chure Street
Fort Wayne, IN 46803
(219) 422-4801
FAX (219) 420-7233
Key Personnel: Marcus Brewer, Pres.
Numerous model and option selections available as well as special orders.

Gardall Safe Corp.
219 Lamson St.
Syracuse, NY 13206
(315) 432-9115, (800) 722-7233
FAX: (315) 434-9422
Key Personnel: Edward W. Baroody, Pres., Caroline Barnicott, National Sales Mgr.; Andrew Ash, Dir. of Training & Mktg.
Safe manufacturer, 350 degree, 1 hour fire resistant safes, models 1310-3018, 2 hour models 3620-4820, steel depository safes, rotary, front and back load all "B" rated. Dual purpose "Z" safes feature "B" rated chest welded inside the fire resistant safe. Additional products, wall, utility, floor and gun safes. Custom safes built to your specification.
See ad on page 133

General Tool & Die Co., Inc.
1420 9th St.
Racine, WI 53403
(414) 632-0286
FAX: (414) 632-9763
Key Personnel: Frank Helding, Prod. Mgr.
The Panic Bar Retainer allows you to hold panic bars in the unlocked position, simple depress the bar and place the hook over it. Models available to fit most styles of panic hardware, can be installed on wood, metal and glass doors. Available in anodized aluminum, brass and bronze finishes.

Gil-Ray Tools, Inc.
1306 McGraw St.
P.O. Box 801
Bay City, MI 48707
(517) 892-6870
FAX: (517) 892-6870
Key Personnel: David J. Deuel, Pres., Laurie Bedell, Cust. Svc. Mgr.
Gil-Ray Tools Inc. has manufactured premium high speed steel key machine cutter wheels since 1945. New cutters are available direct to the locksmith through their free catalog and are also available through selected distributors. Gil-Ray Tools offers a dependable mail-in cutter sharpening service.
See ad on page 58

Glynn Johnson
2720 Tobey Dr.
P.O. Box 6135
Indianapolis, IN 46206
(317) 899-9440
FAX: (317) 899-9432
Key Personnel: Robert M. Brokamp, Sales Mgr.
Manufacturer of door control products including overhead door holders, concealed and surface mounted, push/pull latch, floor and wall mounted stops and holders, and coordinators for double doors, including fire doors.

GNI
P.O. Box 1675
Santa Rosa, CA 95402
(707) 528-8083
FAX: (707) 528-8085
Key Personnel: David A. Kesselman, Pres.; Shirlee Turnipseed, Mktg. Coordinator
GNI designs, manufactures and markets proprietary high security fasteners, seals, locking devices and specialized security hardware for OEM accounts.

Granite Security Products, Inc.
5216 David Strickland Rd.
Ft. Worth, TX 76119
(817) 561-9095
FAX: (817) 478-3056
Key Personnel: Kyle Walters; Becky Walters.
Manufactures premium quality Gun Safes. All models are UL listed and come in eight different decorator colors, fire liners are standard. No factory direct retail sales.

G.R.I. Telemark Corp.
802 South Elm
Kimball, NE 69145
(800) 445-5218
FAX: (308) 235-3561
Key Personnel: Mary Ann Brothers, Pres.
G.R.I. manufactures magnetic contact switches for the security industry. Recently introduced the unigard window security bars, which have an alarm device for 24-hour protection. Gives the classic look of French windows. Removes easily for fire safety or cleaning. Windows can be opened or closed with alarm on. Lifetime warranty.

G-U Hardware, Inc.
11761 Rock Landing Dr. (M-61)
Newport News, VA 23606
(804) 873-1097
FAX: (804) 873-1298
Key Personnel: Kevin M. Daniel, V.P.
Specialists in multiple lock door hardware.

Guard Security Hardware
808 Georgia Ave.
Brooklyn, NY 11207
(718) 272-1540
FAX: (718) 272-8335
Key Personnel: Howard Berger, Pres., Robert S. Winterstein, VP.
Manufacturer of Guard, Encoda, Magnum II, Diamond, Lion.

Gun Vault, Inc.
7735 E. Redfield Rd., Suite 400
Scottsdale, AZ 85260
(602) 951-6855, (800) 622-4903
FAX: (602) 951-6884
Key Personnel: Thomas Loeff, Pres., Lewis Sharp, Sales Mgr.
Manufacturer of the MiniVault™ and MultiVault™ rapid access safes.

Gyro Tech., Inc.
P.O. Box 906
Muskego, WI 53150
(414) 679-0045
FAX: (414) 679-2505
Key Personnel: Jim Scott, VP Sales & Mktg., Jack Pedersen, Natl Accts. Exec.
Manufacturer of Automatic Entrance System for chain stores, airports and hospitals. Designed for heavy traffic, plus to meet all ADA needs.

Hager Hinge Co.
139 Victor St.
P.O. Box 12300 Soulard Station
St. Louis, MO 63104
(800) 325-9995
FAX: (800) 782-0149
Key Personnel: A.W. Hager III, Pres.; John Wotawa, VP-Sales; Frank Bloecher, VP-Architectural Sales
Hager Hinge has been in the business of manufacturing contract grade hinges, spring hinges, electric hinges and consumer hardware for over 135 years.

Continued on page 46

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Major MANUFACTURING, INC.

Every Installation Is a Self-Portrait Of the Person Who Did It. Autograph Your Work with Excellence.

Major MANUFACTURING, INC.

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Continued from page 44

Hampton Products International
11 Marconi Street
Irvine, CA 92718
800-562-5625
FAX: (714) 472-9657
Key Personnel: Kim Kelley, Pres.; Robert Wilkosz, VP, Sales and Mktg.; Rachel Huie, Cust. Svc.
Hampton offers a complete line of high quality padlocks, including patented high security solid steel, solid brass, laminated steel, weatherproof, rustproof and waterproof. In addition, Hampton also offers shackle protectors, ladder locks and realty lock boxes, as well as many other security products. Hampton's laminated padlocks feature Z11 extended rust protection plating.

Hanchett Entry Systems, Inc./H.E.S., Inc.
21612 N. 7th Ave.
Phoenix, AZ 85027
(602) 957-2472, (800) 626-7590
FAX: (800) 626-7590
Key Personnel: Leland J. Hanchett, Jr. Pres., Michael A. Webb, VP-Mktg.
H.E.S. manufactures a complete line of heavy duty UL fire door and burglary resistant listed electric strikes able to accommodate virtually every type of lockset, including the ability to release a 1" deadbolt. H.E.S. also manufactures a new line of adjustable electromagnetic door holders used with fire and smoke barrier doors.
See ad on page 59

Hardware Technologies Ltd.
1120 N. Main Street
Fort Atkinson, WI 53538-0158
(414) 563-2626
FAX: (414) 563-4408
Key Personnel: Sandra Kurz, GM;
Hardware Technologies Ltd. specializes in the manufacture, supply and servicing of multi-point locking systems and handle sets for the window and door industry. HTL's product line includes, but is not limited to, mortise locks, lever sets, profile cylinders and more.

NT Harloc Inc.
P.O. Box 429
501 Railroad St.
Taylorsville, KY 40071
(800) 542-7562
FAX: (502) 477-8831
Key Personnel: Tom Jennings, Pres., Gary I Jouvelakas, VP-Sales
Harloc Products is now a member of the Newman Tonks group. Harloc offers value oriented retail hardware programs to sturdy, heavy-duty lock and lever sets designed to withstand even the most punishing of commercial applications.

Harrison Electronic Systems
51 Gravel St., Box 1758
Wilkes-Barre, PA 18705
(717) 825-0540, (800) 422-5050
FAX: (717) 823-6343
Key Personnel: Karen Keefer, Pres.; Griff Keefer, VP Sales/Mktg.; Bob Justice, Reg. Sales Mgr.
Harrison Electronics, vehicle security manufacturer since 1971, offers a full line of remote control and passive vehicle alarms, starter kills, sensors and installation hardware. Harrison's pager/alarm is used for vehicle, home and business protection. Harrison is a full-service company, providing toll-free technical support, installation training, and consumer displays and brochures.

Hartwell Commercial Division
620-A South Jefferson St.
Placentia, CA 91719
(800) 441-0327
FAX: (714) 993-4783
Key Personnel: Tom Huck, Natl Sales Mgr.; Dana F. Heala, VP/GM; Marvel Phillips, Cust. Svc.

Manufacturer of Shack'l Shield® reinforced padlock protectors. Replaces ordinary hasps high security - wraps steel around padlock shackles preventing the use of bolt cutters and other cutting tools. Shack'l Shield comes as a complete kit with all hardware applications from security gates to tool boxes.

Hayman Safe Co., Inc.
1295 N. S.R. 426
Oviedo, FL 32765
(800) 444-5434
FAX: (407) 365-8958
Key Personnel: Gary Hayman, Don Jenson

Hazelton Key Mfg. Co.
34 Carlisle Rd.
Westford, MA 01886
(800) FOR-KEYS
Key Personnel: Chris Franklin, owner
We specialize in personalized key blanks factory embossed. We have our own line of brass keys and are also a distributor of keys and locks for both ESP and Ilco. We can personalize almost any key both foreign and domestic.

Hercules Industries, Inc.
S. Main St. Box 197
Prospect, OH 43342
(800) 345-2590, (614) 494-2628
FAX: (614) 494-2274
Key Personnel: Ray W. Miller, Pres., Ronald D. Rowland, VP; Dave Hook, Dir. Op.
Hercules Industries Inc. was established in 1969, basically as a padlock component manufacturer. We now supply a complete line of solid brass tumbler pin padlocks with a wide selection of brass or steel shackles or special made to order.

HEWI Inc.
2851 Old Tree Drive
Lancaster, PA 17601
(717) 293-1313
FAX: (717) 293-3270
Key Personnel: William Ferguson, A.H.C., VP; Ernest Winter, VP Sales & Mktg., Eleanor Rinis, Cust. Svc. Mgr.
Manufacturer of nylon hardware in 13 colors with contemporary design and consistent styling. Product range includes door hardware, railing systems, bathroom accessories, cabinet pulls, hooks, grab bars, shower and tub seats. Many items are appropriate for barrier free environments.

Hiawatha Inc., J.I. Industries
4450 W. 78th St., Circe
Bloomington, MN 55435
(612) 835-4944
FAX: (612) 835-2218
Key Personnel: Robert Dunn, Pres.; Kirby Bayerle, VP Sales/Mktg., Loyd Ferrin, Cust. Svc. Rep.
For over 30 years, Hiawatha Inc. has been manufacturing architectural door hardware including pulls, pushes and plates. In the last three years, Hiawatha has added products such as vision lites and louvers, heavy duty tubular custom pulls and nylon color pulls, and our latest addition of shower door pulls.

High Tech Tools
1400 S.W. 1st St.
Miami, FL 33135
(305) 649-7014, (800) 323-8324
FAX: (305) 541-0074
Key Personnel: Tony Vigil, Pres.
Manufacturer of automotive lockout tools for all makes and models of cars. Yearly updates of tools for new models. Locksmith tools, supplies and printing for the locksmith trade.

Hill Security Products
E. 711-17 Walton Ave.
Spokane, WA 99207-3099
(800) 722-1142, (509) 487-1142
Key Personnel: Ruth E. Bower, Owner/Mgr.,

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Toki E. Miller, Exec. Asst.; Ilean M. Nelson, Admin. Asst.
Since 1959, we have manufactured the 39-N Okay's Key Safe for men's belts now available in black 39-NXB. For belt-less trousers, the 37-C, 79-G and 79-NB in grey and black is longer for wide (Sam Browne) belts. Also chains in 8" and 18" lengths: 49-NX, 49-NSX and 165-N 18"L.

Hirsch Electronics Inc.
1751 Langley Ave.
Irvine, CA 92714
(714) 250-8888
Key Personnel: Larry Midland, Pres., Rich Foster, Exec. VP

Horizon Safe Manufacturing
7034 S. Elmer Ave.
Whittier, CA 90602
(310) 698-0789
Key Personnel: Corey Edwards, Sales Mgr.
Horizon Safe manufactures quality square door floor safes, including B, C/B, and C rates. Both hinged door and lift-out doors are available. Horizon is also a full line, stocking distributor for Gardall Safe Corporation. Also available are TL15 and TL30 units custom made to order.

Horton Automatics
4242 Baldwin
Corpus Christi, TX 78405
800-531-3111
FAX: 800-531-3108
Horton Automatics manufactures the largest line of automatic entrance products. This line includes pedestrian swinging, sliding, bifolding, and revolving doors and operators for commercial applications as well as automatic industrial doors. Our worldwide distributor network offers professional installation and service on all our products.

Houston MK Systems
10914 Ashcroft Dr.
Houston, TX 77096
(713)723-2995 (713)723-4622
FAX (713)723-4622
Key Personnel: Boyd Howard White, GM; Winfield Scott White, Asst.
Professional locksmith software, ready-made charts, all types of masterkey products. Latest and up-to-date video and printing software including laser. Samples on request. MS-DOS. Fast service on disks and charts.

HPC, Inc.
3999 N. 25th Ave.
Schiller Park, IL 60176
(708) 671-6280
FAX: (708) 671-6343
HPC Services: (800) 323-3295
Key Personnel: Jerry Hoffman, Pres., Alan Blitstein, VP; Francine Hoffman, VP Mktg.; Alan Goeke, Dir. of Op.
For over 35 years, a manufacturer of key machines, key cabinets, locksmith tools, and code books. A publisher and educator to the lock and security industry.
See ads on pages 2, 19, 91, 93, 95, 97

Hurd Lock & Mfg. Co., Inc.
Div. of Avis Industrial
603 Bohannon Ave.
Greeneville, TN 37743
(615) 639-4101
FAX: (615) 639-0266
Key Personnel: Steve Bone, GM; Walter Scha, Dir. Mktg.; Rick Webb, Dir. of Mat'ls. & Logistics.
Hurd Lock specializes in all lockset applications for the automotive industry, and supplies to the industrial sector as well. Hurd Lock is a fully integrated, jit manufacturer, utilizing the latest methods in engineering design, advanced quality planning, statistical analysis, 1st run manufacturing capabilities, and 100% on time delivery.

Continued on next page

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Ingenuity....
security solutions.

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Hydrosorbent Co.
25 School Street
Ashley Falls, MA 01222
(800) 448-7903
FAX: (413) 229-8743
Key Personnel: Brady Brown, Pres
Distributors of Silica Gel Units. Chemical dehumidifier prevents condensation within enclosed areas. Stops rust, mildew, corrosion, spoilage.
See ad on page 22

Identicard Technologies Corp.
1824 Colonial Village Lane
Lancaster, PA 17605
(717) 299-3610
FAX: (717) 299-4122
Key Personnel: Brent W. Iles, VP/GM; Ann Drazba, Sales & Mktg., Phil Stiles, Op. Mgr.
Identicard Technologies is a security products manufacturer specializing in building block access control systems. Offering a complete line of access products starting with a single-door system up to a PC based system controlling thousands of doors.

Ilco Unican
U.S.: P.O. Box 2627
Rocky Mount, NC 27802-2627
(919) 446-3321
Canada: 7301 Decarie Blvd
Montreal, Quebec H4P 2G7
(514) 735-5411

Illinois Lock Co.
301 Hintz Rd.
Wheeling, IL 60090
(708) 537-1800
FAX: (708) 537-1881
Key Personnel: R.H. Schulz, Mng. Dir.; Brian Reed, Sales-Mgr.
Manufacturer of locks directed toward the O.E.M. market place including cam, cabinet and switch locks. Available in a variety of mechanisms covering a wide spectrum of security levels.

IMI Services USA, Inc.
2 Wisconsin Circle, Suite 420
Chevy Chase, MD 20815
(301) 215-4818
FAX: (301) 657-1446
Key Personnel: Steven Fader, N'tl. Dir. Mktg.
Optical Access Control System-tough electronic locks that can be quickly and easily installed on door frames. No need to remove existing locks, handles or cylinders. No moving parts, very low to no maintenance. For hotel, club and office use

In-A-Floor Safe Co.
P.O. Box 8312
La Crescenta, CA 91224-0312
(213) 749-2448
FAX: (818) 249-7487
Key Personnel: Carl L. Belknap, Flora W. Belknap
Inventors of in-floor type safe. Manufacturers of In-A-Floor Safe and replacement safe doors. . Established 1925

Indiana Cash Drawer Co.
1315 S. Miller St.
P.O. Box 236
Shelbyville, IN 46176
(317) 398-6643
Key Personnel: William T. Showers, Pres.. J.R. Showers III, Sec/Treas ; Randy Boone,Controller
Indiana Cash Drawer Company manufactures a broad line of manual and electronic cash drawers in wood or steel with over and undercounter installation options. The manual TD-1 model has fingerpull locking assembly, an alarm sounds if locking mechanism is improperly manipulated.

Innovative Moving Systems, Inc
P.O. Box 181
Oostburg, WI 53070
(414) 564-6272
FAX: (414) 564-2322
Key Personnel: Steve Harrison, Pres.; Jim Kee, VP; W. H. Harrison, VP
Lectro Truck, a battery powered hand truck. One man moves load up to 600 lbs. and more. Maneuvers load with pushbutton ease up and down steps, on and off trucks, semis, vans, loading docks, around corners, over landings and bulkheads. Strong steel construction moves with greater safety. 1500 lb. load.

Intelligent Access Systems,
Div. of Entry Systems
2714 Apple Valley Rd.
Atlanta, GA 30319
(404) 266-8714
FAX: (404) 266-8842
Key Personnel: William J. Ross, Sr. VP Mktg.; David G. Williams, Dir. of Mktg.; Jack Johnson, Jr., Sr. VP Sales.
Intelligent Access Systems markets Intelikey®, an intelligent mechanical keywhich allows existing locks to be converted into an offline electronic access control locks without modification to the lock. Intelikey® offers audit capabilities in the lock and key. Rekey at no "out-of-pocket" costs. Keys cannot be duplicated and are reprogrammable

Intelligent Controls, Inc.
6825 216th St. SW
Lynnwood, WA 98036
(800) 842-0221
FAX: (206) 775-1641
Key Personnel: Jeffrey R. Kruse, Exec. VP, Robert R. Percival, Pres.; Jeffrey L. Hovarka, Prod. Mgr.
The 870SX Door Manager is Intelligent Controls stand alone access reader. With memory up to 250 covert encrypted barcode

NATIONAL
AUTO LOCK SERVICE, INC.

National Auto Lock Service, Inc. offers a wide range of equipment and services for the Automotive Locksmith. From tools and hard to find key blanks to transponder programming, we can take the mystery out of car service. We accept credit card orders, and can ship COD. Contact us for the latest in automotive technology.

www.laserkey.com

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cards, the 870SX Door Manager is designed to allow people access into a building, room, or storage area. This stand alone reader is also a cost effective method of adding automation to your parking facility.
See ad on page 64

Intelock Corporation
6723 Sierra Ct., Ste. A
Dublin, CA 94568
(510) 551-3700
FAX: (510) 416-9977
Key Personnel: Tom Corder, Pres.; Debbie Murphy, Controller; Tom O'Rourke, Sales Mgr.
The Intelock Corporation provides Intelock 1000 and 3000 series of key optional entry locks. Intelock provides the ultimate solution to low cost electronic access while answering the never ending problem of lost, stolen or forgotten keys. Intelock offers advanced technology for security and convenience for you and your customers.

Intra-lock Tools Ltd.
105-12779 80th Ave.
Surrey, B.C. Canada V3W 3A6
(604) 596-8900
FAX: (604) 590-4947
Key Personnel: Gordon Parr, Pres.; Jim Brooks, VP
We are the manufacturer of the ITL 9000 automated key cutting machine and the ITL 900 Code Machine.

Italbrass Corporation
21 Lime St.
Marblehead, MA 01945
(617) 639-1992
FAX: (617) 639-2458
Key Personnel: Antonio Musso, Pres.
Fine Italian brass door hardware in unique designs.

H.B. Ives
62 Barnes Park North
Wallingford, CT 06492
(203) 294-4837
FAX: (203) 284-1460
Key Personnel: Steven Corlett, VP Sales & Mktg.; Stacey Callahan, Contract Mktg Mgr.; Timothy O'Kane, Nat'l. Sales Mgr.
Since 1876, H.B. Ives has been manufacturing fine builders and home hardware for the commercial, institutional and residential markets. The line includes flush bolts and coordinators, surface bolts, architectural door trim, door stops and holders, window hardware, hooks and brackets, cabinet hardware, latch sets and mortise bolts, exterior door hardware and bath accessories.

Ivie Industries, Inc.
18700 Beach Blvd.
Huntington Beach, CA 92648
(714) 842-2378
FAX: (714) 962-2190
Key Personnel: Ernie Fenton, VP Sales; Doug Ertz, Prod. Mngr.
Manufacturer of cam locks, file cabinet locks, mortise cylinders, locking handles, and computer security hardware.

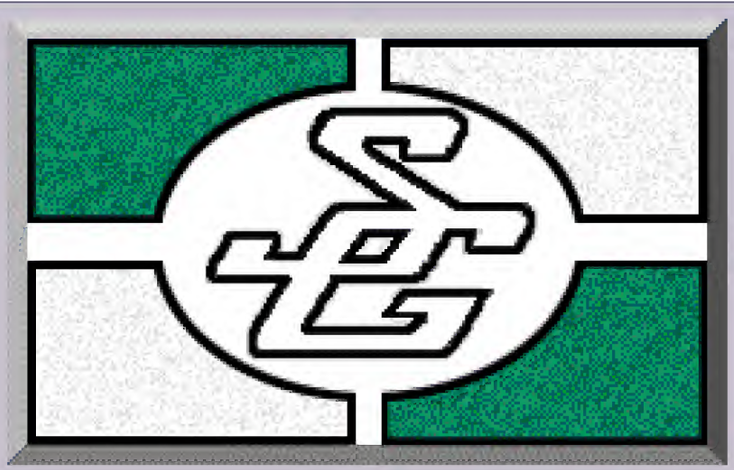
J&B Key-Rite Mfg.
RD #1, Box 217
Rockwood, PA 15557
(814) 926-2176
Key Personnel: Jean Gindlesperger, William Gindlesperger
Key-Rite Collection: composed of high quality precision tools. JB100 electronic key machine adjuster comes with precision brass plates. Three types of micrometers, KDI 150, KDI-250, JB 350. JB 300 and JB 301 code shaft conversion kits for the Belsaw 200. JB 105 reversible steel cap key machine vise jaws for the Belsaw 200. Other precision tools available.

JADO Bathroom & Hardware Mfg. Corp.
4690 Calle Quetzal
Camarillo, CA 93012
(805) 482-2666
(805) 484-4799
Key Personnel: Richard Wrobleski, Mktg. Mgr.; Carole Oliver, Office Mgr.
JADO manufactures solid forged brass door and cabinet hardware including thumblatch entrance sets, offering a full range of distinctive traditional, classic and modern creations. Each item is the symbol of JADO's commitment to "high quality" products made in Germany."

Javelin Electronics
19831 Magellan Dr.
Torrance, CA 90502
(213) 327-7440
FAX: (213) 327-5405
Key Personnel: Graham Wallis, Pres.; Ray Payne, VP Eng.
Manufacturer and distributor of closed circuit television equipment and systems.

Jensen Tools Inc.
7815 S. 46th St.
Phoenix, AZ 85044
(602) 968-6231
Key Personnel: Gary Treiber, Mktg. Mgr.; George Wakefield, Prod. Dev. Mgr.; Jean Hogg, Sales/Service Mgr.
Jensen Tools Inc. is a manufacturer of tool kits for the electromechanical and electronics technician. The company sells tool kits, tools, tool cases, shipping containers, and test equipment through national catalog distribution.

Jet Hardware Mfg. Corp.
800 Hinsdale St.
Brooklyn, NY 11207
(718) 257-9600
FAX: (718) 257-0973
Key Personnel: Alfred Schonberger, Pres.; Fred



Choose S&G Comptronic electronic safe locks for...security... technology...tradition.

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JET HARDWARE

Continued from previous page

Lang, VP, George Buchinger, Sec'y./Treas.
Manufacturer of high precision key blanks, tubular keys, Persona line, engraved key blanks, Squarecusel key rack display, keyboard display, key cutting machines, plastic-head keys.

Kaba High Security Locks
P.O. Box 490, 384 Old Turnpike Rd
Southington, CT 06489
(203) 621-3601
FAX: (203) 621-9727
Key Personnel: Tom DiVito, CEO; John Bergstrom, High Security Sales Mgr., Sharon Berry, Brassworks Sales Mgr.
Kaba High Security locks manufactures Kaba® Gemini™ UL listed high security cylinders, Peaks™ interchangeable core, mortise, rim and key-in-knob cylinders with patented key control, Nova electronic access control system, and Brassworks solid brass door hardware.

Kaddies, Inc.
1601 N. Main St. #203
Walnut Creek, CA 94596
(510) 934-4488 (800) KADDIES
FAX: (510) 934-4492
Key Personnel: Tom Sherterly, Nat'l. Sales Mgr.
Maker of the Tool Kaddie, a dolly-style tool and parts organizer on wheels.

Karpen Steel Custom Doors & Frames
181 Reems Creek Rd.
P.O. Box 67
Weaverville, NC 28787-0067
(704) 645-4821
FAX: (704) 645-3230
Key Personnel: Rachel Smith, Pres., Joseph Karpen, VP
Karpen Steel Custom Doors and Frames is a quickship manufacturer of custom hollow metal doors and frames. All orders are manufactured to the customer's specifications and needs. Karpen guarantees shipment of most orders within 10 working days. Underwriters Laboratories labels are available.

Ke-Master
300 S. Pennell Rd.
Media, PA 19063
(215) 459-1129
FAX: (215)558-3392
Key Personnel: Anthony Salamone, Pres.; Peter Lindley, VP-Sales/Mktg.
Ke-Master manufactures single tag and dual tag key cabinets and key control systems for organizing and securing from 20 to 800 keys. Also available are key tags, file drawer key racks and wall key boards.

Kee Company
8559 Canoga Ave.
Canoga Park, CA 91304
(818) 341-7788
Kee Company has been in business since 1970 manufacturing card access control systems that range from the simple system to the on line access systems.

Keedex Manufacturing
12931 Shackelford Lane
Garden Grove, CA 92644
(714) 636-5657
FAX: (714) 636-5680
Key Personnel: Cormac "Mac" Dorsey, Nat'l Sales Mgr., Julie McCluney, Partner; George Hill, Partner
Keedex manufactures tools and supplies for the locksmith and safe industries. Locksmith products include reinforcement plates for aluminum frame doors, cylinder guards, weldable gate boxes, 12-volt motors, clip removal tools, followers and the Protect-A-Lok. Safe products include the Safe Buster, change key sets, safe repair kits and safe drill bits.

Keefe Mfg. Co.
23 Lexington Ave.
Trenton, NJ 08618
(609) 882-2290
Key Personnel: John Keefe, Rich Keefe
Manufacturer of wood plugs and templates, security strikes and installation fixtures for installing mortise locks, Adams Rite, flush bolts, key-in-knob, deadbolts, etc.

Kenson Lock & Hardware Co.
166 West Hills Rd.
Huntington Station, NY 11746
(516) 271-2700
FAX: (516) 271-2759
Key Personnel: Hans Bosch, Pres.; Jim Self, VP Sales; Bob Harrison, VP Op.
Manufacturers of cabinet and showcase locks in five security levels. They include Disc Tumbler, KeyMatic, Pin Tumbler Interchangeable Cores, and Medeco cores in our complete line of cabinet and showcase lock housings. These cabinet locks are available in a variety of platings and keying plans, including Master, Grandmaster, and Great Grandmaster.

KentMoore Div.
SPX Corp.
28635 Mound Rd.
Warren, MI 48092
(313) 574-2332, (800) 345-2233
Fax: (313) 578-7375
Key Personnel: N. Robert Kindig, Sales/Mktg. Mgr.; Todd Downs, Prod./Prom. Coordinator
KentMoore is an automotive special tool manufacturer for General Motors. We have designed and developed special automotive locksmith tools to make your job quick and easy. All of our tools are lifetime guaranteed and made in the USA.

Keri Systems, Inc.
7116 Charcot Ave.
San Jose, CA 95131
(408) 435-8109
FAX: (408) 434-0631
Key Personnel: Chuck Fontana, GM, Susi McCarthy OM/Mktg.; Matt Taylor, Supp. Tech./Sales.
Keri Systems ProxLock is a smart stand alone access control which uses proximity cards and tags to unlock a door rather than keys. Presenting an authorized card in close proximity to the reader will operate a door lock or a gate operator and record the transaction.

Kett Tool Co.
5055 Madison Rd.
Cincinnati, OH 45227
(513) 271-0333
FAX: (513) 271-5318
Key Personnel: H. Rowe Hoffman, Chm.; William A. Beiter, Pres.; Rick Fowkes, Sales Mgr.
Trade names-Kett specialty cutting saws, shears, drilling heads.
See ad on page 169

Key Bak Division
West Coast Chain Mfg. Co.
1460 So. Balboa Ave.
Ontario, CA 91761
(714) 923-7800
FAX: (714) 923-0024
Key Personnel: Craig Paugh, Pres.; John Iacono, VP; Shirley Paugh, Office Mgr.
Manufacturers of Key-Bak® key chain reels, Mini-Bak® key returns and quality key accessories. Key-Bak is the original key reel and the standard of the industry. It is made in the U.S.A. and backed by a lifetime service policy. The company also produces light industrial chain.

Key Products Co.
525 W. Plata, Ste. 500
Tucson, AZ 85705
(602) 882-5307
FAX: (602) 882-5375
Key Personnel: Mark Mitchell, Owner
Key blank inventory control and organizational system.

Key Sure
P.O. Box 439, Prince Station
New York, NY 10012-0008
(212) 219-0015
FAX: (212) 219-0015
Key Personnel: Ian Sideri, CEO
Keysure, a plastic key control container, that protects keys individually. Signatures are required to make it work. Access to the key is not possible without breaking the container, indicating its use. Keysure is not reusable. Keysure is available as a system for 100's of keys, and is available in blue and clear. Other uses: computer access codes/safe combinations, etc.

Key Systems, Inc.
948 Culver Rd.
Rochester, NY 14609
(716) 654-9388
FAX: (716) 654-7916
Key Personnel: George Eckerdt, Pres.; Bruce Fredericks, VP
Manufacturers of Velcro-backed key storage devices consisting of portable key cases, file inserts holding up to 1000 keys in a drawer, metal cabinets and electronic key control cabinets.

Keydex International Inc.
P.O. Box 1887
Oldsmar, FL 34677-0034
(813) 785-3535
FAX: (813) 785-7627
Key Personnel: Howard A. Osofsky, Pres.; Barbara J. Osofsky, Ex. VP
Manufacturers of Keysaver®.

KeySoft Masterkey Software
854 So. Redwood Rd.
Salt Lake City, UT 84104
(801) 972-1369
Key Personnel: Rick Wilkinson, Pres.; Melanie Wilkinson, VP
See ad on page 31

Keystone Novelty Co. Inc.
137-17 71st Ave.
Flushing, NY 11367
(718) 544-1734
FAX: (718) 544-1872
Key Personnel: Hy Korn
High quality key rings and accessories. Product line includes the lowest prices on snap klips, wrist coils, cutters, key I.D. rings, key I.D. covers, key I.D. tags, bullitts, whistles, knives, tape measures, lanyards, luggage locks, split rings, etc. Free catalog available on request.

Killeen Security Products
33 Herman St.
Worcester, MA 01610
(508) 754-1714
FAX: (508) 723-2183
Key Personnel: Norman Doucet, Pres.; Doug Maston, VP
Manufacturer of interchangeable core products. Interchangeable with Best, Falcon, Arrow, Eagle and Lockwood.
See ad on page 170

Kinduell Screen Products, Inc.
110 Center St.-Wilder
Newport, KY 41071
(606) 581-5444, 800-354-9877
Key Personnel: JayKinduell, Pres.; Randy Nice, Est., Angela Zapp, Sales Svc.
We manufacture screen printed decals to be used on trucks, vans, or cars. We also screen print on t-shirts, hats and other textile products.

Knaack Mfg. Co.
420 E. Terra Cotta Ave.
Crystal Lake, IL 60014
(815) 459-6020, (800) 456-7865
FAX: (815) 459-9097
Key Personnel: Steve Moore, VP-Sales; Rick Bielski, Nat'l Sales Mgr.
Weather Guard storage boxes, drawer units

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Click on border to view new company or issue

KNAACK

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and racks for pickups. Weather Guard storage shelves, lockable cabinets, parts cabinets, drawer units, bulkhead partitions and roof racks for vans. Knaack job site storage boxes, cabinets, workbenches and work stations.

Knight Safe Mfg.
10626 E. Rush St.
South El Monte, CA 91733
(818) 350-6087, (800) USA-BILT
FAX: (818) 350-6154
Key Personnel: Don Moore, Pres.; Dale Emmert, Cust. Svc. Mgr.; Art Corona, VP Mfg.
Manufacturers of TL-15, TL-30, 'B' and 'C' rated money chests. Custom designed chests for commercial and bank equipment dealers. Dealer sales only.

Kustom Key Inc.
1010 Aviation Drive
Lake Havasu City, AZ 86403
(800) 537-5397
FAX: (800) 235-4728
Key Personnel: Dave Vedder, Pres.; Michael Vedder, GM; Tony Profera, Dir. Mktg.
Manufacturers of Neuter Bow Key Blanks incised or embossed with company names or custom messsages. Also available are large bow key blanks commonly used by hotels and available in three styles, five shapes in over 500 keyways. Company also manufactures the "LaKey" blanks with embossed graphic designs on large bow.
See ad on page 16

Kwikset Corporation
516 E. Santa Ana St.
Anaheim, CA 92803-4250
(714) 535-8111
Key Personnel: Chris Heiner, Pres.; Mike Convey, VP-Sales; Steve Price, VP-Mktg.
Manufacturer of locksets, leversets, handlesets, deadlocks and other home security products.

KXL Corp.
3010 N. River Rd.
River Grove, IL 60171
(708) 456-453-1788
FAX: (708) 456-9476
Key Personnel: Sidney Falk, CEO

LAB Security
P.O. Box 350
Napco Dr.
Terryville, CT 06786
(800) 243-8242, (203) 589-6037
FAX: (203) 583-7838
Key Personnel: Robert A. Labbe, Chmn./Pres.; Gerald G. Raraback, VP; Crosby J. Kelly, VP-Sales/Mktg.
Manufacturer of color coded replacement pins and original manufacturers pins, universal pin kits and original pin kits, locksmith picking instruments and professional tools. LAB products are the choice of professional locksmiths and the finest lock companies worldwide.

Latch-Gard Co., Inc.
P.O. Box 425
110 South Elkhart
Wakarusa, IN 46573
(219) 862-2373
FAX: (219) 862-2459
Key Personnel: Randall Mayer, Pres.; David Geiger, VP
Latch-Gard's new products for complete latch protection. Seven new models have been added using special fasteners for a cleaner interior look. Different model sizes allow for varying door and latch application. Models available in zinc, duronaic or bright brass finish. Special jamb pin on original models prevent prying of door.

La Gard Inc.
3330 Kashiwa St.
Torrance, CA 90505
(310) 325-5670
FAX: (310) 325-5615
Key Personnel: Larry Cutter, Pres.; Susan Garner Papa, Sales Mgr.

LCN Closers
121 W. Railroad Ave.
Princeton, IL 61356
(815) 875-3311
FAX: (815) 875-3222
Key Personnel: R.C. Ivey, Mktg. Dir.; P.J. McCormick, General Sales Mgr.
ANSI Grade One architectural door closers, Sentronic Series life safety closer/holders, concealed and surface mounted security closers, door controls that meet the newest accessibility codes for use by people who are handicapped.

LDM Enterprises
P.O. box 191
Van Nuys, CA 91408
(818) 989-4100

Lee Electric, Inc.
309-11 51st St.
West New York, NJ 07093-0238

LeFebure Corporation
308 29th St. NE
Cedar Rapids, IA 52406
FAX: (319) 366-7608
Key Personnel: Joseph Patton, Pres.; Kevin Fee, Dir. Mktg. & Eng.; Al Ryan, VP-Svc.

David Levy Company, Inc.
12753 Moore St.
Cerritos, CA 90701
(301) 404-9998
FAX: (310) 404-9698
Key Personnel: David Levy, Pres.; John Latino, Sr VP, Al Shiffman,VP
The David Levy Company is a manufaturer, importer and distributor of electronic parts & accessories. Product emphasis is on electronics for mobile electronics and installation accessories. A major division is Black Widow Vehicle Security which includes a full line of alarms and accessories.

LJ. Security Products
908 North Louise Suite #5
Glendale, CA 91207
(818) 244-6648
Key Personnel: Y.J. McCall, Pres.; L. McCall, VP; D.A. LaTour, Adm. Asst.
Safes, vaults and custom safe manufacturing is our specialty. Specialized security equipment in all phases of physical deterents.

Liberty Hardware Mfg. Co.
928 Alton Pl.
High Point, NC 27263
(919) 434-5051, (800) LIBERTY
FAX: (919) 434-3364
Key Personnel: Ray Plunkett, N'tl. Sales Mgr.; Karon Walls, Acct. Rep.
Liberty has been manufacturing door hardware for over 150 years. Liberty's vast product line includes door closer, exit devices key-in-knob set and interchangeable cores.

Liberty Safe and Security Products Inc .
316 W. 700 S.
Provo, UT 84601
(800) 247-5625
FAX: (801) 373-9525
Key Personnel: Jay Crosby, Pres.
Liberty Safe and Security manufactures 18 distinctive models of the most technologically advanced home safes in the world, ..safes that are not only secure, but attractive, functional, and affordable as well. We offer the highest standard of quality at an affordable price.

Lifetime Auto. Prod., Inc.
5000 Quorum Dr., Ste 600
Dallas, TX 75240
(214) 392-2886
FAX: (214) 392-2411
Lifetime Automotive Products markets the award-winning Spare Key Locking Gas Cap™. This ingenious gas cap has a secret compartmtne where motorists can store spare keys so they'll never lock themselves out of their car. The compartment is protected by a Presto® combination lock . Locksmiths have been selling it successfully nationwide.

Lifetime Products
Rt. 78 South
Kewanee, IL 61443
(309) 853-3387
FAX: (309) 853-3389
Key Personnel: Jean Kaine, GM, Jim Themanson, Mktg. Mgr.; Lanny Hulslander, Sales Mgr.
Lifetime's litha-load elevating platform trailer raises the load from the ground up to 54" high. Ideal for delivering safes, ATM's and vault doors. 4,000 lb. to 15,000 lb. capacities.

Lindustries, Inc.
21 Shady Hill Rd.
Weston, MA 02193
(617) 237-8177
Key Personnel: Willard H. Lind, Pres.; Louise T. Lind, VP
Lindustries, Inc. manufacturers for distributors and locksmiths Leveron, a product that convnerts all standard doorknobs to lever action. Leveron is installed without removing in-place hardware and has no visible means of fastening. Code complaint, Leveron has Veterans Administration approval and was designed to address ADA requirements.
See ad on page 67

Litton Poly-Scientific
1213 N. Main St.
Blacksburg, VA 24060
(800) 336-5917 (Sales)
(800) 336-8855 (Technical Services)
FAX: (703) 953-1758
Key Personnel: Robert G. Sterrett, Nat'l. Sales Mgr.
Terminus® Perimeter Intrusion Detection System including shock sensors for windows, walls and fences available in standard and recessed models; audio discriminators for glass break detection; the full line of Paradox PIR motion detectors; SuperVision® XL security monitoring and access control system with windows and icons; and PointGuard® stand-alone access control system.

Lock Corporation of America
Hwy. 14 North, P.O. Box 71
Viroqua, WI 54665-0071
(608) 637-8428
FAX (608) 637-8427
Key Personnel: Thomas F. Rust, GM; Karen M. Brueggen, Office Mgr./Inside Sales Mgr.
Lock Corporation of America manufactures torsion tumbler cylinder (double-sided key) and multi-lever (flat key) locks. The following styles are available: cam, drawer, cabinet, push and locker locks.

Lock Technology Corp.
685 Main St.
New Rochelle, NY 10801
(914) 632-4373
FAX: (914) 632-6407
Manufacturers of high security key machines. Manuacturers of locksmith specialty tools.

Lock Technology, Inc.
552 S. Washington, Suite 108
Naperville, IL 60540
(708) 369-6060, (800) 421-7241
FAX: (708) 983-5967
Key Personnel: George C. Stockin, Jr., Pres.; Ellery E. Casey, VP
Lock Technology is a major supplier of car opening tools and automotive rocker pick sets for all domestic and foreign cars. LTI also supplies repossession and other specialty locksmith tools through locksmith distributors.

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Locknetics Security Engineering
560 Birch St.
P.O. Box 9337
Forestville, CT 06010
(203) 584-9158
FAX: (203) 584-2136
Key Personnel: James Scott, Pres.; George Nortonen, VP-Mktg./Sales; Koleen Mazzochi, Cust. Svc. Mgr.
Locknetics Security Engineering designs, manufactures and markets a broad line of electromagnetic and electro-mechanical security and door control systems. Our new generation of electronic security systems sets a worldwide standard for strength, precision and performance and is used to produce a variety of security and life safety solutions.

Locksoft, Inc.
P.O. Box 3168
Bristol, TN 37625-3168
(615) 652-2454
FAX: (615) 652-2797
Key Personnel: Adam Blum, Pres.; Billy B. Edwards Jr., GM.
Commercial and custom computer software for the locksmith and lock manufacturer and their end user customers. Masterkeying, key control, point-of-sale, accounting and codes.
See ad on page 160

Lok-ITT Co., Inc.
27000 Richmond Rd.
Solon, OH 44139
(216) 349-0110
FAX: (216) 349-2447
Key Personnel: Hugh J. Webster, Pres.; Lloyd Woods, OM.
The Column Lock - Auto-Anti-Theft Device.

Lok-Safe® Products Div. Of Security Airline Sales, Inc.
P.O. Box 660528
Miami Springs, FL 33266
(305) 884-2443
FAX: (305) 885-8800
Key Personnel: Jack Lucey, Pres.; Mary Lucey, VP
Lok-Safe® security products have been available through locksmith distributors for over twenty years. Products include lock models for use on patio doors and for both wood and metal windows. The locks are machined and assembled in Miami Springs, FL. All components are of U.S. manufacture.

Lori Lock, Division of International Security Products
Old Turnpike Road
Southington, CT 06489
(203) 621-3605
FAX: (203) 621-5972
Key Personnel: Andy Meade, Pres., A.J. Meade, VP Sales & Mktg.; George Vespoli, Cust. Serv. Mgr.
Manufacturers of solid brass mortise, rim and insert cylinders, mortise cylinder deadlocks, jimmy-proof rimlock, super blocker, mailbox and cabinet locks.
See ad on page 135

Lucky Line Products, Inc.
7890 Dunbrook Rd.
San Diego, CA 92126
(619) 549-6699 (CA),
(800) 654-6409 (Nat'l)
FAX: (619) 549-0949
Key Personnel: Ray Howard, Pres.; Jan Howard, Adv. Coord.; Stephanie Haya, Cust. Svc.
Lucky Line Products, Inc. is a leading supplier of key rings and key accessories to the locksmith industry. Complete merchandising units, key tower racks, and counter displays are available and include such products as: Twisty®, Fix-O-Loc ®, Secure-A-Key®, key identifiers, and split key rings.

Lund Equipment
P.O. Box 213
Bath, OH 44210
(216) 659-4800, (216) 659-4128
FAX: (216) 659-9347
Key Personnel: E. Howard Lund
Over 50 years of producing key control systems, offering more than 70 different styles. Also offering built-to-order key cabinets to your specifications.

MACE Security International - DBA Personal Security
160 Benmont Ave.
Bennington, VT. 05201
800-446-6223
FAX: 800-545-6223
Key Personnel: Keith Lesser, Sales Mgr.; Dawn Raphan-Lee, Mktg. Rep.
Manufacture MACE® brand self defense spray, Peppergard®, a safer alternative to ordinary pepper sprays, the Big Jammer® a 20 gauge steel door brace.

M.A.G. Eng. & Mfg. Inc.
15261 Transistor Lane
Huntington Beach, CA 92649-1141
(714) 891-5100, (800) 624-9942 (except CA)
FAX: (714) 892-6845
Key Personnel: Howard M. Allenbaugh, Pres.; Fred F. Pannebaker, VP-Sales/Mktg.; John Sobczak, Sales Coord.
M.A.G. security products enable you to repair and reinforce doors instead of replacing them. The line includes door reinforcers (standard series, 2000 series, and new designer series), high security strikes, Adjust-A-Strikes, latch guards, adapter and filler plates, sliding patio door deadlocks, and miscellaneous door and window security hardware.

Magnakram Inc.
171 Nugget Ave.
Scarborough, Ont. M1S 3B1 Can.
(416) 2990000
FAX: (416) 299-3728
Key Personnel: Edward Milic, Pres.
Manufacturers of panic exit devices, surface bolts, fire rated, available in aluminum.

Major Manufacturing, Inc.
P.O. Box 788
Atwood, CA 92601
(714) 772-5202
FAX: (714) 772-2302
Key Personnel: Bill DeForrest
Products: Kee-Blok-cylinder guards-hit series installation tools-hinge shim kit for safe doors - safe deposit lock puller - Schlage cylinder cap tool - tangle resistant cylinder springs.
See ad on page 45

Major Metalfab Co.
370 Alice St.
Wheeling, IL 60090
(708) 537-7890, (800) 323-8181
FAX: (708) 537-1120
Key Personnel: Rob Fosness, VP-Sales
MMF industries manufactures a full line of key control products. Single tag and two tag systems are available in cabinet, drawer, key rack and key board styles. Key capacities range from 10 to 715 keys. In addition, MMF manufactures coin and cash handling supplies, signs and writing instruments.

Maloc Enterprises
775 Yellowstone, Suite 163
Pocatello, ID 83201
(208) 235-2532
Key Personnel: Tim Scott, Owner; Connie Scott, Owner
We are the manufacturers of auto entry tools and books. Our company was established by Bill Peck in 1988. Throughout that time he traveled the U.S. teaching auto entry seminars. Maloc is presently involved in opening an estimated 1500 cars per month, giving us a vast amount of experience in auto opening as well as tool design.

Mancini Safe Company
Twin City Plaza
Cambridge, MA 02141
(800) 367-3453
FAX: (617) 497-7233
Key Personnel: Derek Costa, Wholesale Mgr.; Stephen Randall, Svc. Mgr., Peter Murphy, Locksmith Mgr.;
Mancini Safe Company in 1993 has expanded their own wholesale safe distribution to include TI-15, TL-30's, TL-30x6 and soon to be firesafes and TRTL 30x6's. This line of safes is the most complete array of product available from a single supplier. Features and pricing advantages in every category will be sold through exclusive regional distribution.

Markar Products, Inc.
68 Ward Road
Lancaster, NY 14086
(716) 685-4104
FAX: (716) 685-3919
Key Personnel: Stanley R. Tataro, Pres.; Thomas J. Frys, VP; Kevin Hamilton, Nat'l. Sales
Markar Products, Inc. manufacturers of the patented reinforcing pivot, aluminum continuous hinges and fire-rated steel and stainless steel continuous hinges. Both pivots and continuous hinges are used in contract, retrofit, hospital, school and security applications.

MARKS U.S.A.
5300 New Horizons Blvd.
Amityville, NY 11701
(516) 225-5400 (800) 526-0233
FAX: (516) 225-6136
Key Personnel: George Marks, Pres.; Sheila Rosenberg, VP Sales and Mktg.
Manufacturer of mortise, cylindrical and tubular locksets for residential and commercial application; mortise deadlocks, tubular deadbolts, gate locks and mortise locks for ornamental iron doors.
See ad on page 129

Marlee Electronics, Corp.
2501 S. Front St.
Philadelphia, PA 19148
(800) 874-8036
FAX: (215) 755-7877
Key Personnel: B. Scott Halloway, Pres.; Beth A. Soldwisch, Nat'l Sales Mgr.; Chas. Tevis, Svc. Mgr.
Manufacturer of access control systems for over 20 years. Marlee's current line of products include the Entraguard line of "auto-dialer" and "No Phone Line" telephone entry systems and the ME-10K card access system. Marlee also makes the SK-340 heavy-duty digital keypad which can hold 340 codes.

Marlok Company
4200 W. Diversey
Chicago, IL 60639
(312) 283-2005
FAX: (312) 283-4861
Key Personnel: Jerry Welch, GM; Dale Reynolds, Technical Support
For over 10 years Marlok has been supplying access control products to be used in a wide variety of applications. Marlok offers hardwired as well as stand-alone type systems. The ML-9000 is known worldwide as the premeir locking system for hotel/motel security.

Mas Hamilton Group
805-D Newton Circle
Lexington, KY 40511
(606) 253-4744
FAX: (606) 253-4748
Key Personnel: G.L. Dawson, Pres., J.D. Hamilton, Exec. VP-Sales/Mktg.; Tom Cassado, VP Eng.
The Mas-Hamilton electronic, self-powered combination lock.

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Master Lock Co.
2600 North 32nd St.
Milwaukee, WI 53210
(414) 444-2800
FAX: (414) 444-0322
James Beardsley, Pres.; Jim Donegan, VP Mktg. & Sales, Steve Williams, Dir. Mktg. Door Hdw. Div.

Lloyd Matheson Inc./Lockwood
P.O. Box L
Charlestown, NH 03603
(603) 826-5777
FAX: (603) 826-4186
Key Personnel: Lloyd J. Matheson, Sr., Pres.; Alex Matheson, VP.
Lloyd Matheson Inc. produces high quality architectural hardware under the "Lockwood" trade name. The product line includes a non-corrosive mortise lock, heavy duty cylindrical lock, key 'n' lever lock, removable cores, tubular and mortise deadbolts, asylum lock and Lockwood master key systems. The Lockwood tradition dates back to 1878.

Maxlon Security Systems
3935 Oakfield Dr.
Sherman Oaks, CA 91423
(818) 788-4466
Key Personnel: Anthony B. Bennett, Pres.
Manufacture lock down devices and cable attachments for securing all manner of hardware for computers, TV's, VCR's, business machines, Faxes, etc.

McDowell-Craig
13146 Firestone Blvd.
Norwalk, CA 90650
(310) 921-4441
FAX: (310) 921-9648
Key Personnel: Steven Craig, Brent McDowell, VP
These Swing-A-Way Security Bars are specially designed and manufactured for the explicit purpose of preventing surreptitious entry in filing cabinets and desks. Simple to install and easy to operate, these bars permit the use of adjoining filing cabinets whether in the open or closed position.
See ad on page 118

McGard Special Products Division
3875 California Rd.
Orchard Park, NY 14127
(716) 662-8980 (800) 699-6887
FAX: (716) 662-8985
Key Personnel: Peter Fleischer, Sales Mgr.; Mike Reily
Manufacturers of specialized asset security products. Examples are fire hydrant locks, manhole cover locks, meter locks and other varied applications to fit individual needs.

McGunn Safe Co.
4917 S. Central Ave.
Chicago, IL 60638
(708) 458-7233
FAX: (708) 458-3323
Key Personnel: Patricia S. Johnson-McGunn, Pres.; Edward T. McGunn, Chmn.
McGunn Safe Company has been designing and building safes for over 51 years. We specialize in safes to handle cash for retail businesses. Our color-coded safes have helped many stores eliminate improper handling of cash during shifts. We also build cash till safes, firesafes, truck safes and home safes.

MDS (Medical Diagnostic Services, Inc)
1202 Oakfield Dr., Suite #102
Brandon, FL 33511
(813) 653-1180
FAX: (813) 684-5953
Key Personnel: Paul Butler, Pres.; Trudi Bartle, Sales Mgr.
MDS has been serving the locksmith/safeman market for over 15 years. Their popular Focuscope™ Modular Borescope System now has over 50 easily attachable accessories! Other inexpensive diagnostic products which they manufacture include the MagnaScope™ and Probe Lite™.

Medeco Security Locks, Inc.
P.O. Box 3075
Salem, VA 24153
(703) 380-5000
FAX: (703) 380-5010
Key Personnel: Tim Layton, Pres.; Mike Terreau, VP-GM
Medeco Security Locks, Inc. manufactures high security locks and lock cylinders. The Biaxial lock design offers key control, masterkeying, pick and drill resistance, and is UL listed and patented. Medeco offers locks to a wide variety of industries, including institutions, residential, business and OEM applications.

Meilink, A Division of Fireking International, Inc.
101 Security Parkway
New Albany, IN 47150
(800) Meilink, (812) 941-0024
FAX: (800) 227-7513
Key Personnel: Judd Penske, Prod. Mgr.; Dennis Lindsey, Mrktg Coord.
Meilink has been manufacturing record safes since 1899. Its main focus is insulated safes with varying degrees of burglary resistance. The product line consists of home vaults, home and office safes, commercial record safes and the Gibraltar series, a TL-30 one hour UL rated safe available in 9 different sizes.

Merit Metal Products Corp.
242 Valley Rd.
Warrington, PA 18976
(215) 343-2500
FAX: (215) 343-4839
Key Personnel: Daryl T. Schaefer, Sales Mgr.
We are manufacturers of solid brass decorative hardware. Products include pocket door locks, screen door latches and bit key locks. We offer a complete line of solid brass cabinet catches, pulls, knobs and hinges available with plain bearing or ball bearings.

Meroni Locks of America
2121 West 60th St.
Hialeah, FL 33016
(305) 557-7050, (800) 749-5625
FAX: (305) 556-2405
Key Personnel: P. Carlo Cau, VP., Mario Fernandez, Asst. Mgr.; Linette Romero, Ofc. Mgr.
Meroni Locks manufactures a complete line of showcase, furniture and cabinet locks, to satisfy the most demanding applications, together with a very well engineered and designed line of door locks. Only Meroni's locks can be installed in glass, wood and other panels, ranging from 1/3" to 2" thick - all locks meet ADA regulations.

Milwaukee Electric Tool Corporation
13135 West Lisbon Rd.
Brookfield, WI 53005
(414) 783-8311
Fax: (414) 781-3611
Key Personnel: Debra Sajkowski, Adv. Mgr.

Miwa Lock, Canada
Box 3708 Station 'D'
Edmonton, Alberta T5L 4J7
(403) 453-5226
FAX: (403) 452-7551
Key Personnel: Gary J. Mozak, Sales Mgr.
Miwa Lock's combined high technology cylinder with a full line of rugged hardware is a proven combination of restricted key security with old-fashioned virtues such as durability, reliability, and quality manufacturing. Miwa lock products using advanced technology like the EC cylinder, utilizes coded magnetic fields while the EX cylinder is a unique hybrid that insures maximal security through the combination of both magnetic and pin cylinder construction.

Miwa Lock, USA
71 N. Peco's Suite 106
Las Vegas, NV 89121
(702) 382-9554
FAX: (702) 452-9330
Key Personnel: Will Schaff; Bob Schaff; .

NT Monarch Hardware & Mfg. Co.
805 N. Buckman St.
Shepardsville, KY 40165
(800) 826-5792, (502) 543-2281
FAX: (502) 543-3089
Key Personnel: W.G. Porter, Pres.; B. Johnson, Gen. Sales Mgr., Bob McGehee, Cust. Svc. Mgr.
NT Monarch manufactures a complete line of dependable panic and fire exit hardware and accessories. All finishes available for quick shipment, one device or large stocking orders. NT Monarch also manufactures a complete line of door closers available immediately from stock.

Monarch Tool and Mfg. Co., Inc
P.O. Box 427
105 East Fourth St.
Covington, KY 41011
(606) 261-7403, (800) 462-9460 in US & Canada
FAX: (800) 545-6831
Key Personnel: Pete Bignr, Dir. Sales; Norman Martin, Corp. Admn.
Manufacture and produce coin boxes, locks and extensions, and coin mechanisms for use in laundry equipment featuring Ace, Duo and Medeco locks. Family owned and operated since 1903, 100 percent American made products.

The M.K. Morse Company
P.O. Box 8677
Canton, OH 44711
(216) 453-8187
FAX: (216) 453-1111
Key Personnel: M.K. Morse, CEO.; James T. Batchelder, Pres.; John F. Comune, Exec. VP; Cliff Williams, VP Mktg.,
Founded in 1962, The M.K. Morse Company manufactures a broad range of cutting tools, including band saw blades, hacksaw blades, hole saws, abrasive wheels, mounted points, and the patented Real McCoy hole saws with built-in arbors. Two of M.K. Morse's newer lines are depressed center wheels and reciprocating and sabre/jig saw blades.

Morse Watchmans Inc.
514 Long Hill Road
Waterbury, CT. 06705
(203) 575-0162
FAX: 203-753-2681
Key Personnel: Manuel Pires, Pres.; Fernando Pires, VP
The KeyWatcher offers immediate access and total accountability. Additional benefits: eliminates outdated pegboards, holds over 40 keys, easily customized to specific applications, limits accessibility to authorized personnel, individual PIN numbers increase security, tracks movements of keys, offers on-demand management reports, uses a liquid crystal display, circuitry is fully integrated - no mechanized parts, compatible with any IBM or stand-alone, 80 column printer.
See ad on page 61

Mosler
1561 Grand Blvd.
Hamilton, OH 45012
(513) 867-4000
FAX: (513) 867-4062
Key Personnel: A.M. Marzano, Chm &CEO, M.S. Battaglia, Pres. & COO; J.J. Pilcher, VP/GM-Physical Security Div.
Mosler Inc., founded in 1867 and headquartered in Hamilton, Ohio, is a leading supplier of physical and electronic security systems, products and services to the financial, commercial and government marketplaces.

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MOSLER

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Among its products are UL listed vaults, vault doors, safe deposit boxes, record, money and data safes.

Mr. Wrought Iron Canada Ltd.
1100-11th St. SE
Calgary, Alberta, Canada T2G 4T3
(403) 234-9690
FAX: (403) 237-5894
Key Personnel: Michael Morozoff, Pres.; Jerry Meier, VP Sales & Oper.; Patrick Williams, Major Accts. Exec.
Mr. Wrought Iron, manufactures a full line of security products - window bars, security storm doors, patio door bars, back door mesh for residential and commercial markets. All products are high quality construction with a powder coated finish. Dealer inquiries welcome.

MRL, Inc.
7640 Fullerton Rd.
Springfield, VA 22153
(800) 989—9891
FAX: (703) 569-0196
Key Personnel: Carlton Moorefield, Jr., Pres.
Manufacturer of quality electronic security and access control systems since 1969. Products include: Crypto Code stand-alone access control systems; Entradyne DIAM 50-3 line monitoring equipment; Sound Alert audio discriminators.

M.S.S. Door-Aid
1611 West Centre St.
Kalamazoo, MI 49002
(800) 527-5672
FAX: (616) 523-8663
Key Personnel: David Carambula; Dir. Sales/Mktg.
The Doorgid is a simple, automatic door operator designed to easily retrofit to commercial and residential doors. Specifically engineered to meet ANSI and ADA requirements, its rugged construction and on-demand design will provide years of virtually maintenance-free service. Versatile, patented design allows for various mounting applications and will interface with electronic security hardware.

Mul-T-Bolt Corp.
54-45 44th St.
Maspeth, NY 11378
(800) 622-5625, (718) 392-9000
Key Personnel: Mark Berger, Nat'l Sales Mgr.
A Division of Securitech Group, Inc., Mul-T-Bolt Corp. manufactures 100% American made four-point door locking systems. Recently introduced the lock industry's first security exit device, the Series 8000 panic exit deadlock system, all bolt, no latch. Listed by UL.

Multi Lock Inc.
P.O. Box 3148
Marathon Shores, FL 33052
(305) 563-2148
FAX: (305) 563-5644
Key Personnel: Jerold R. Ford, Pres.; M.E. DePalma, VP; Clarence Fulton, Plt. Mgr.
Multi Lock Inc. was incorporated in 1955 and began manufacturing the rust proof wire door gate lock in 1968. The lock is completely non-ferrous and may be used in ornamental iron gates as well as wire mesh door gates. Using only three moving parts the lock is totally flexible and can hinge or slide left or right.

Multi-Lock Corporation
P.O. Box 2996
2027 Harpers Way
Torrance, CA 90501
(213) 320-6400
See ad on page 120

Mul-T-Lock USA Inc.
300-1 Route 17 South, Ste. A
Lodi, NJ 07644
(201) 778-3222, (800) 562-3511
FAX: (201) 778-4007
Key Personnel: Avi Timor, CEO; Yossi Levy, Pres., ;Ofer Ben-Yona, Tech.Mgr.
Mul-T-Lock designs develops, manufactures and markets high security mechanical locking systems and related products based on original R&D and unique application techniques. Products include: four way mortise locks, high security steel doors, unique car transmission locks, and off-the-shelf items (cylinders, case-hardened steel padlocks and hasps).

Mul-T-Lock Corp.
54-45 44th St.
Maspeth, NY 11378
(800) 622-LOCK, (718) 392-9000
Key Personnel: Mark Berger, Nat'l Sales Mgr.
Manufacturer of multiple-point locking systems with standard keyways or Medeco cylinders. 100% made in U.S.A. UL listed. New model 4100 requires no special tools for 2-3/4" backset installation in hollow metal doors. Security locks for security professionals.

National Cabinet Lock
200 Old Mill Rd.
P.O. Box 200
Mauldin, SC 29662
(803) 297-6655
FAX: (803) 297-9987
Key Personnel: Dave Bowers, Pres.; Larry Roddy, Prod. Mgr.; Bob Phillips, Nat'l. Sales Mgr.
Under the registered trade name of "Stack Locks," National Cabinet Lock offers over 675 packaged stocking units of pin tumbler, disc tumbler and lever tumbler products. They also provide original brass key blanks as well as other locksmith products.

The National Locksmith
1533 Burgundy Pkwy.
Streamwood, IL 60107

SCHWAB CORP.
Fire protection for your vital records.

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No middle man!!

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(708) 837-2044
FAX: (708) 837-1210
Key Personnel: Mark Goldberg, Editor/Publisher; Tom Seroogy, Mg. Ed.; Jeff Adair, Dir. Sales & Mktg.; Debbie Schertzing, Ac. Accr. Mgr.
Publishers of the locksmith's favorite magazine, code books, and technical manuals.

National Security Safe Co.
P.O. Box 755
American Fork, UT
(800) 544-3829
FAX: (801) 756-8043
Key Personnel: Glen Nilson Pres.; Dana Farmer, VP; Steve Handser, Sec./Treas.
A well established Utah Corporation that originated the triple-wall insulated gun safe. We manufacture 11 different models and custom walk-in vault doors. Recently chosen by Smith & Wesson to manufacture & distribute their custom safe with deadbolt construction.

Nel-Tech
2515 E. Michigan Blvd.
Michigan City, IN 46360
(219) 874-7500 (800) 874-2050
FAX: (219) 874-9990
Key Personnel: James Alinsky, GM
Nel-Tech has been a manufacturer of alarm and access control products for over 15 years, specializing in digital pushbutton keypads. The Stormpad Model 6SP is an all-weather keypad suitable for the harshest outdoor or indoor environments. It features lighted buttons and is sealed against rain, snow, and dirt.
See ad on page 47

The New England Lock & Hardware Company, Inc.
P.O. Box 544
South Norwalk, CT 06856
(203) 866-9283
FAX: (203) 838-4837

Key Personnel: James W. Egan, Pres.; Jan Brown, Sales/Mktg.
New England Lock & Hardware Company manufactures the SEGAL brand vertical deadbolt and offers a complete line of bronze or stainless locks and latches, mortise deadbolts and a full complement of cylinders ranging from simple replacement cylinders to high-security, pick-resistant cylinders. All products made in USA.

New Standard Mfg. Co.
2408 Western Ave.
Las Vegas, NV 89102
(702) 385-1132
FAX: (702) 382-1920
Key Personnel: Randy L. Thwing, Pres.; Kathalynn F. Thwing, Sec'y./Treas.
New Standard manufactures highly adaptable brass padlocks which accept original and aftermarket, standard and high security, knoblock cylinders or the Schlage, Arrow, Sargent & Falcon designs. Our interchangeable series accepts i.c. cylinders including Falcon, Arrow, KSP, Best, Russwin, Corbin, Medeco brands. Key retaining and non-key retaining models are available.

NKI Industries, Ltd.
NKI Sale Co.
1111 Cavalier Blvd.
Chesapeake, VA 23323
(804) 485-0200, (800) 528-9900
FAX: (804) 485-0271
Key Personnel: Mike Smith, Pres.; Ray Lorenzo, CEO; John McClanahan, Dir. Mfg.
Manufacturer of commercial and residential burglar resistant safes and window bars. Specialists in the application of computerized access control and audit systems to money safe management. The company offers a full line of options, ratings and sizes to meet the demand of businesses large and small.

Norden Lock Co., Inc.
361 Carlough Rd.
Bohemia, NY 11716
(800) 233-LOCK
FAX: (516) 563-1742
Key Personnel: Pete Norden, Pres.
Norden Lock Co. products include the Norden Police Lock, Secur-A-Door Lock and the Norden Double Door Lock. Distribution is accomplished through major suppliers coast to coast. Recognition and use of our high security locks for commercial and residential applications increases daily.

Northeast Lock Corp.
48 Oak St.
Clifton, NJ 07014
(201) 777-7509
FAX: (201) 777-7551
Northeast Lock Corporation is a semi-manufacturing assembly business specializing in Illinois Lock products. We offer custom keying to existing Illinois and Duo systems with Master keying, Grand Master keying our specialty. Our product line is complete including switch, cabinet, and cam locks. We offer fast delivery and courteous service with capabilities of smaller runs.
See ad on page 34

Normbar, Inc.
186 Brannam Way
Mt. Washington, KY 40047
(800) 356-2920, (502) 538-7386
FAX: (502) 538-6400
Key Personnel: John R. Diedam, GM
Normbar is a manufacturer and supplier of creative injection molded nylon hardware systems for the hardware trade and for specifications by architects and design engineers.

Northern Computers, Inc.
5007 Howell Ave.

Continued on next page

SRi
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RESOURCES INC.

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NORTHERN COMPUTERS

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Milwaukee, WI 53207
(414) 769-5980, (800) 323-4576
FAX: (414) 769-5989
Key Personnel: Jim Vinson, Nat'l Accts. Mgr.;Bob Boeck,Dir. Sales&Mtg.;Karl Radke, Sales Mgr.
Access control manufacturing from single door systems to PC based alarm monitoring-access control systems of over 30,000 cards and 700 doors. Products designed to meet the needs of the professional alarm dealer in the 90's and beyond-Member ATAPCO Security and Communication Group.

Norton®
A Division of Yale Security Inc.
P.O. Box 25288
Charlotte, NC 28229-8010
(704) 283-2101
Norton is the world's largest manufacturer of door controls and closers.

NT Quality Hardware Mfg.
12705 So. Daphne Ave.
Hawthorne, CA 90250
(213) 757-2281 (800) 345-8819
FAX: (213) 757-0232
Key Personnel: Michael A. Martinez, VP Sales;Ed Johnson, Pres.
NT Quality Hardware manufactures door trim and architectural builders hardware for commercial buildings. The firm also offers fine residential hardware items.

Numberall Stamp & Tool Co. Inc.
P.O. Box 187
High Street
Sangerville, ME 04479
(207) 876-3541
FAX: (207) 876-3566
Key Personnel: Rick Pellerin, Sales Mgr.
Manufacturer of key marking equipment, and all types of metal indenting, numbering and lettering equipment.

O'Mega Electronic Self-Defense
3544 Overland Ave.
Los Angeles, CA 90034-5522
(800) 553-0222 (USA)
(800) 244-STUN (CA)
(310) 837-0963
FAX: 310-837-0942
Key Personnel: Zane Rothschild, CEO & Pres., Merle Doutrey, Sales Dir.
O'Mega has established a strong reputation for quality and service in its 10 years of business. O'Mega manufactures the highest quality and most powerful stun guns, carried by hundreds of locksmiths who add many dollars in sales and profit to their bottom line. Now, O'Mega also makes the greatest and most powerful portable alarm, the PSA™. Electronic self defense is a great additional line for you to carry.

OEM Mfg. Inc.
194 Daniel St.
Hackensack, NJ 07601
(201) 489-2184
FAX: (201) 343-7315
Key Personnel: Wes Zion, Pres.; Jeff Zion, GM, Ralph Rotolo, Sales Mgr.
Manufacturer of pins, pin sets, tools, cabinet bars, screw machine parts, springs.

O'Keeffe's Inc.
75 Williams Ave.
San Francisco, CA 94124
(800) 227-3305 (415) 822-4222
FAX: (415) 822-5222
Key Personnel: Stacy Westhoff, Dir. of Mktg.
O'Keeffe's Inc. has over 52 years of experience manufacturing aluminum building products. O'Keeffe's GPX Glassprotex fire and safety rated door and wall systems offer unrestricted vision areas in fire rated applications. GPX framing systems are not subject to the area limitations of wire glass or ceramic glazing.

Olympus Lock
8512 20th Avenue N.E.
Seattle, WA 98115
(206) 525-5338
FAX: (206) 523-9876
Key Personnel: F.P. "Marty" Martin, VP Sales/Mktg.
Olympus Lock manufactures pin tumbler commercial cabinet locks. Patented features allow easy rekeying. Olympus locks are available on National, CCL, Schlage, and Weiser keyways. Other keyways can be constructed using conversion plugs. Olympus also produces lock bodies for Best style IC core, Medeco high security and Assa high security cylinders.

Omnia Industries, Inc.
P.O. Box 330
Cedar Grove, NJ 07009-0330
(201) 239-7272
FAX: (201) 239-5960
Key Personnel: Alberto R. Comini, Pres., Denyse P. Comni, Exec.; VP Fred Marzullo, VP Mfg.; John I. Barwick, Nat'l Sales Mgr.
Omnia manufactures solid brass builders' hardware since 1964. The company offers entry sets, interior latch sets, narrow style mortise locks with trim, cremone bolts, surface bolts, door stops, door knockers, switchplates, house numbers, cabinet hardware and bath accessories.

Optex (USA) Inc
365 Van Ness Way, Ste. #510
Torrance, CA 90501
(800) 966-7839
FAX: (310) 212-7604
Key Personnel: Ned Moricka, Sales Mgr.;Angela Blankenship,Tech.Sup.
OPTEX, U.S.A. Manufacturer of PASSIVE INFRARED sensors, Access Control systems and Wireless Sensor and Annunciator Systems.

OSI Security Devices
657 North Pastoria Ave.
Sunnyvale, CA 94086
(408) 720-0909
FAX: (408) 720-9034
Key Personnel: Jerry Fairie, Nat'l Sales Mgr., Gino Gass, Sales/Cust. Svc., Dick Frey,Tech.Svc.Mgr.
The OmniLock® is a self-contained access control system in a rugged door lock. It works with the wireless printer to form a complete system that records the identity and time of entry of 250 individual users, plus provides time scheduling capabilities. Because of its versatile design, the OmniLock is installed in minutes and suits most applications.
See ad on page 153

Pacific Security Products Company
307 S. Raymond Ave.
Alhambra, CA 91803
(818) 570-4655, (800) 331-0785
FAX: (818) 289-2326
Key Personnel: Jae Chang, Owner; Denise Ambrose, Pres./Gen. Mgr.
Manufacturers of floor safes, rotary hoppers, "C" and "B" rated chests. Also, Mini-depositories and larger Convenience store, fast food restaurant cash handling systems. Over 60 models from which to choose. Warehoused nationwide for fast inexpensive shipments.

Pad-Pro Lock Products, Ltd
Site 26, Box 26
RR#1, Windsor Jct.
Halifax County, Nova Scotia B0N 2V0
(902) 861-2683, (902) 860-1686
FAX: (902) 860-1686
Key Personnel: Rolland Goudet, Pres.
Pad-Pro, a patented weather protector for padlocks, prevents freezing in the winter months and rusting and corrosion year round. It is made of tough polypropylene and fits padlocks up to 2-1/2" in diameter. Once a padlock is installed in Pad-Pro, Pad-Pro cannot be removed without taking the padlock off.

Paktek, Inc.
7307 82nd St. Ct. SW
Tacoma, WA 98498
(206) 584-4914
FAX: (206) 589-1091
Key Personnel: J. Alan Billingsley, Pres.; Mark Blanchard, Sales
Tool-pak Brand tool carriers allow you to keep your tools where you need them, with you. Toolpak Original is a backpack that carries over 100 tools in six specially designed tool panels. Fannypak carries a smaller complement of tools for people who need to have a few tools with them all the time. Made tough, in the USA.

Paragon Security Corp.
10 Taylor St.
Freeport, NY 11520
(516) 546-0855
(800) MR ALARM (outside NY)
FAX: (516) 546-0873
Key Personnel: A. Harold Wallach, Pres., Miriam S. Wallach, VP; Sidney Mandelberger, Nat'l. Sales Mgr.
Automotive vehicle security products: expandable 2-wire RF remote control alarm, full features RF remote control starter-interrupt systems. Automotive vehicle security accessories: shock, glass and anti-tow detectors, sirens and door lock modules. Marine alarms and marine accessories. Automatic headlight activators, magic switch and anti-car hijacking system.

S. Parker Hardware Mfg. Corp.
Parker Drive
P.O. Box 9882
Englewood, NJ 07631
(201) 569-1600
FAX: (201) 569-1082
Key Personnel: Chas. Silberman, Pres., Toby Bernstein,Exec. VP; Bob Schaeffer, Sr.VP.
Established in 1899, S. Parker Hardware Mfg Corp. now manufactures and imports a broad line of quality Builders Hardware products, including ADA door closers, UL Grade 2 Locksets and lever sets, hinges, continuous hinges, solid brass or steel tubing and fittings, Narrow Stile locks and latches, levers,push/pull paddles for same, and a wide assortment of UL panic devices.
See ad on page 111

PDQ Industries Inc.
2754 Creek Hill Rd.
Leola, PA 17540
(800) 441-9692
FAX: (717) 656-6892
Key Personnel: Bill Tell, Pres.; Paul T. Kosakowski, A.H.C., VP Sales & Mktg., Daniel P. Connor, Controller
PDQ introduces its new lock, the Spirit, a heavy duty Grade 2 lever lock featuring spring-in-the-rose construction for ultimate lever support. The made in America Spirit is a perfect complement to PDQ's line of commercial grade cylindrical locks, mortise locks, and deadbolts. PDQ lever handle locks meet accessibility requirements of the ADA.

Peerless Sales Co.
1950 Hawthorne Ave.
Melrose Park, IL 60160
(708) 865-8870, (800) 729-0307
FAX: (708) 865-2941
Key Personnel: Walter Snodell, Pres.; Frank Briggs,Mktg.Dir.;Dustin Vallaly,Dir. of Sales
Peerless manufactures the world's largest and most complete line of television, audio visual, video recorder and closed circuit television accessory products. The many products include stands, mounts, carts and brackets for the desk, wall and ceiling.

Pelco
300 W. Pontiac Way
Clovis, CA 93612
(800) 289-9100

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PELCO

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FAX: (800) 289-9150
Key Personnel: Tom Grogan, VP Sales & Mktg.; Alan Jorn, Sales Mgr.
Manufacturer of closed-circuit television systems for security and surveillance. Products include cameras, lenses, remote positioning devices, switches, controllers, monitors, camera housings. Quick turnaround.

The Penetrator
7370 Turkey Point Dr.
Titusville, FL 32780
(407) 267-0700
Key Personnel: Lew F. Noyes, Jr. CML, Owner; Eleanor M. Noyes, Owner
The Penetrator is alive and well but has a new address. It is the finest safe drilling rig on the market. Its features are lightweight, controlled drilling and a thrust bearing which relieves all pressure from your drill motor. Price has remained the same since 1985. Made in the USA.

Perma Vault/
Bonafide Factory Products
P.O. Box 473
Huntingdon Valley, PA 19006
(215) 364-0330
Key Personnel: Marvin Sobel, Pres.; Irving L. Plaksin, Exec. VP; John McDonnell, VP Sales/Mktg.
Manufacturer of Perma Vault drop boxes, hopper safes, wall safes, money chests, B & C rated safes and custom safes.

Perry Blackburne, Inc.
354 Pine St.
Pawtucket, RI 02860
(800) 556-7474, (401) 725-1400
FAX: (800) 447-3779, (401) 725-7611
Key Personnel: Mark Rosenberg, VP Sales & Mktg.; Edward Paul, Exec. VP; Lisa Padgett, Dir. Cust. Svc.
Manufacturers and direct importers of key accessories, key rings and related products for the locksmith. Realistic pricing policies. Established 40 plus years under the same ownership. Our line will always make you money. Distributorships available, call today, toll-free or use our toll free fax line.

Personal Safety Corporation
1905 N. Center Point Road, Box 128
Hiawatha, Iowa 52233
(319) 378-8787
FAX: (319) 378-1311
Key Personnel: Thomas R. Leidigh, Pres.; Richard T. Olson, Sr. VP Sales & Mrktg.; David J. Thul, Acct. Serv. Mgr.
Personal Safety Corporation is a manufacturer of secure personal safety products ranging from self-defense sprays to alarms, whistles, decal, and a new product the Secure Portable Door Lock.

PGS Displays, Inc.
4940 Viking Dr., Suite 208
Minneapolis, MN 55435-5316
(800) 488-9039
FAX: (612) 831-5916
Key Personnel: Wm. Hart, Pres.; Vic Vitullo, Exec. VP; Sandra Souba, Admin.
PGS displays are four-sided wall mounted Spinner displays that double the amount of merchandise that can be displayed in a given space. 4-1/2" of wall or gondola space can be turned into 9' of hanging capacity using the displays. The popular high quality displays are made of the best materials and are unconditionally guaranteed.

Phoenix Industries Inc.
P.O. Box 38
Linwood, KS 66052
(913) 723-3203
FAX: (913) 723-3507
Key Personnel: Jeff Coatney
Since 1979, Phoenix Industries has specialized in the manufacture of a constantly expanding line of high quality door bars.

Photonic Alarm Products, Inc.
8130 W. 26th Ave.
Hialeah, FL 33016
(800) 237-8277
Dade Co. FL: 556-4888
FAX: (305) 558-5092
Gordon Grossman, Pres.; Robert Putrino, GM
Photonic Alarm Products produces the LiteChain, a fiber optic cable which cannot be broken ithout sounding an alarm. The thin, flexible loop makes it safe and easy to install.

Pliant Plastics Corporation
6259 Norton Industrial Center
Muskegon, MI 49441
(616) 798-7935
FAX: (616) 798-7525
Key Personnel: Curtis Chambers, Pres.; Frank Breveglieri, Mktg. Mgr.; Tom Bishop, Sales, Spec. Prod.
Pliant Plastics Corporation is a custom injection molder of small engineering grade thermoplastic parts. A patented product named "keyglove" is available in a variety of colors, with space for a logo and/or other advertising. Easily assembled to a key, it customizes, identifies, and classifies.

Positive Lock, Inc.
402 E. 39th St.
Russellville, AR 72801
800-342-7670
FAX: 800-531-5293
Key Personnel: Phillip J. Murders, Pres.; Leslie Jones, Op. Mgr.
Positive Lock manufactures surface mounted, double deadbolt locking devices which use 1/2" locking rods that extend 1-1/2" into both sides of the door jamb simultaneously. Available models range from a simple thumbturn to a listed "panic hardware" device. Catalogs furnished upon request.

Power Access Corporation
42 Bridge St.
Collinsville, CT 06022
(203) 693-0751 (800) 344-0088
FAX: (203) 693-0641
Key Personnel: Nils Sellman, Pres.; Mike Carlson, Sales Mgr.
Electromechanical door opener retrofits most side hinged doors to automatic opening. Unique feature is that arm does not attach to door - so door may be used manually at all times. Interfaces with electric strike for door security. Widely used for interior and exterior doors. Helps to solve ADA compliance problems.

Preso-Matic Lock Co., Inc.
3048 Industrial 33rd St.
Fort Pierce, FL 34946-8694
(407) 465-7400
FAX: (407) 461-1050
Key Personnel: Albert C. Sanowskis, Pres.; Mary Ann Sanowskis, Sec'y./Treas.
Preso-Matic pushbutton combination door locks are mechanically operated. Four digit combination locks have 10,000 possible combinations; seven digit locks have 10,000,000. PM locks can be mastered with six digit masters. Double combination locks operate by combination on both sides of the lock. New narrow style lock for narrow style glass doors.
See ad on page 125

Presto Lock Inc.
A Franzen Company
100 Outwater Lane
Garfield, NJ 07026
(201) 340-1007
FAX: (201) 340-2705
Key Personnel: Eberhard Franzen, Pres.; Carmine Rossi, VP Sales; Tim Mann, Sales
Combination padlocks for all types of cases and lockers as well as deadbolts for doors and windows. All are resetable without the need of special tools.

Pride Barco Lock Company
116 North Nopal Street, Suite 4
Santa Barbara, CA 93103
(805) 965-8819
FAX: (805) 965-2535
Key Personnel: Armand J. Renga, Pres. John E. Topliffe, Sales Mgr.
Pride Barco introduced Pri-Va-Cee indicator door locks in 1960. In 1989 a dead bolt with a blank cover for adjoining rooms was added. Recent additions are: Cover Plate for converting predrilled doors, MAIL SAFE and Pri-Va-Cee Center for personal privacy and security.

Prime Line Products Co.
4185 Hallmark Pkwy.
San Bernardino, CA 92407
(909) 887-8118
FAX: (909) 880-2906
Key Personnel: Dick Crowther, Pres.; George Sutphen, VP; Dick Ugland, Dir. Sales & Mktg.
Window and door replacement hardware; door reinforcing sleeves and security strikes; screen/storm door latches and closers; mail box locks; restroom partition hardware; garage door hardware for sectional overhead door.

Prince Song Int'l
Box 81103-44
Blaine, WA 98231, or
6740 Comstock Rd.
Richmond, BC Canada V7C 2X6
(604) 277-2836
FAX: (604) 277-2880
Jack Prince, C.J. Song, Partners.
Key lights and key rings.

Pro-Lok
1060 N. Batavia Ste. C
Orange, CA 92667
(714) 633-0681
FAX. (714) 633-0470
Key Personnel: Adam Weinraub, Pres.; Stephen Sharpe, VP; Lori Weinraub, Cust. Svc.
Manufacturer of car opening tools, technical manuals, lock picks, installation tools, credit card keys, keymaster code machine key decoders, no spill key hooks, key tag systems, auto encyclopedia, file cabinet locks, lock and safe scopes, auto opening lights and other locksmith specialty tools.
See ad on page 9

Programmed Marketing, Inc.
260 West Ave.
Stamford, CT 06902
(203) 353-1200
FAX: (203) 348-3473
Key Personnel: Nick Ohnell; Ted Grejtak
Hudson Lock.

Proprietary Controls Systems Corp.
18528 Dominguez Hills Drive
Rancho Dominguez, CA 90220
(310) 638-0400
FAX: (310) 638-6204
Key Personnel: Mas Kosaka, Pres.; Bob Takahashi, VP Finance; Hanan Rozner, VP Op.
PCSC is a design and manufacturing company of integrated systems for access control, alarm monitoring, elevator control and output control. Systems range from single door to multiple door systems. Sales is through qualified distributors and dealers worldwide.

Pryor Safe & Lock Company
3532 English Ave.
Indianapolis, IN 46201
(317) 352-1281
FAX: (317) 352-1213
Key Personnel: Stanley Pryor, owner.
In-floor safe head replacements. Seventeen (17) different models available. Parts also available.

Qualtec Data Products, Inc.
47767 Warm Springs Boulevard
Fremont, CA 94539
(510) 490-8911 (800) 628-4413
FAX: (510) 490-8471

Continued on page 64

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QUALTEC

Continued from page 62

Key Personnel: Gary Torres, VP/Sales; Corey Leibow, VP/Mktg.; Maureen Wilner, Cust. Svc.
Qualtec Data Products, Inc. has been manufacturing PC security products since 1984. They have over 70 products ranging from low-cost theft deterrents to data security hardware to high-end anti-theft products. Qualtec's security product line is designed to protect most computer models, peripherals and other business machines.

R&D Tool Co.
7705 R.C. Gorman Ave. N.E.
Albuquerque, NM 87122-2774
(505) 828-2664
FAX: (505) 857-0642
Key Personnel: Douglas Jaaster, RL, Pres.; Ruth Jaaster, Sec'y./Treas.
We have been in business a number of years manufacturing and selling the GM pickset. It will pick and decode GM sidebar locks. Also have a sidebar set for the Ford 10 cut design lock.

Radionics, Inc.
1800 Abbott Street
Salinas, CA 93901
(800) 538-5807
FAX: (408) 757-2438
Sales Support (Ext. 586)
Radionics has been the industry leader in innovative security systems for almost two decades. We supply a complete line of control/communicators, access control devices, fire alarm reporting systems and advanced communications methods. We also supply a full range of system accessories for end users and central stations.

RB Enterprises
P.O. Box 152
Clovis, CA 93613
(209) 348-1722
FAX: (209) 294-1636
Key Personnel: Robert Barr, COO
The Monitor 4000 - Door control through electronics exit doors - receiving doors - store room doors, etc. - controls door during business hours even if management forgets.

Reading Body Works, Inc.
Hancock Blvd. & Gerry Street
Reading, PA 19610
(215) 775-3301, (800) 458-2226
Key Personnel: Jack O'Donnell, VP-Sales
Manufacturer of service bodies, stake and platform bodies, crane and aerial bodies, enclosed and walk-thru bodies, pickup caps, pickup and van accessories. Available in corrosion-resistant A-60 galvannealed steel or weight-saving aluminum. Exclusive Lectro Lite priming system. Three and five year limited warranties. Distribution network throughout US.

Redi-Line Generators
4301 Kishwaukee St.
Rockford, IL 61109
(815) 226-3030
FAX: (815) 226-3148
Key Personnel: James C. Dunlea, Product Mgr.; Becky Miller, Cust. Svc.
Redi-Line Electric Generators provide power wherever and wherever you need it. Lightweight rugged design and maintenance free operation insures reliable, plug-in and run performance. With nine models from 350-1600 watts, Redi-Line is the durable on-demand power source for the locksmith industry.

Reed® Exit Hardware
A Division of Yale Security Inc.
P.O. Box 25288
Charlotte, NC 28229-8010
(800) 438-1951, (704) 283-2101
FAX: (800) 338-0965
Key Personnel: Charles J. Strauss, Dir.-Sales; Don Schuett, Cust. Svc. Rep.; Patricia Reavis, Cust. Svc. Rep.
Reed® offers a full line of architectural-grade exit devices. The complete line includes the basic 2000 Series Exit Device, the 4000 Series Exit Device with CA4405 trim and any of five major keyways, and the architectural-grade 9000 Series Exit Device. Reed is a division of Yale Security Inc.

Reilor Inc.
417 Caredeon Dr.
Horsham, PA 19044
(215) 956-0550
FAX: (215) 956-0553
Key Personnel: Richard Charrey, GM/VP
Manufacturer of door closing devices under the "Glideloser" brand name. Closers for doors up to 150 pounds. UL listed. Easy installation. Manufactures concealed hydraulic closers for doors weighing up to 150 pounds.

Reinforcer Locking Bar
432 N. Tustin
Orange, CA 92667
(714) 633-6520
Key Personnel: Joe J. Adamo
For aluminum stile doors, the Reinforcer Lock-Bar System actually joins the door and jamb together as an inseparable unit, and in the case of double doors, joins the doors together.

Rev-A-Shelf, Inc.
2409 Plantside Dr.
Jeffersontown, KY 40299
(502) 499-5835
FAX: (502) 491-2215

STRATTEC™

The world's largest producer of automotive locks and keys.

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ASP Inc.

ASP - Your Auto Service Center for the World

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Key Personnel: Kevin Jones, Pres.; David Noe, N'tl. Sales Mgr.; Doug Drout, Mfg. Svcs. Mgr.
RevA-Shelf, Inc.® markets our magnetic lock and key security system under the brand name of RevA-lock®. This product is easily installed and is great for nightstands and furniture, bathroom vanities, medicine cabinets, cutlery drawers, liquor cabinets, and much, much more. This brand features interactive packaging and a full merchandising program.

Rixson-Firemark
A Subdivision of Yale Security Inc.
9100 W. Belmont Ave.
Franklin Park, IL 60131
(708) 671-5670
FAX: (708) 671-5479
Key Personnel: Robert C. Johnson, Gen. Sales Mgr.; Debbie Crown, Sales Mgr.; Carol Houk, AHC, Mktg. Mgr.
Rixson-Firemark offers a full line of industry-leading floor closers, pivots, overhead stops and holders, surface closers, flushbolts, and coordinators. Rixson is a subsidiary of Yale Security Inc.

Rodann Electronics Mfg. Co.
3100 Airway Ave. #128
Costa Mesa, CA 92626
(800) 366-7010
FAX: (714) 662-3171
Key Personnel: Alex Skarpek, Pres.
Rodann Electronics is a manufacturer of Passive Infrared & Photoelectric annunciators. From the most basic self-contained unit to our most popular heavy duty hard wired AV-100 to a wireless system, Rodann will meet all you door annouincing need. We also offer special application sensors & exit alarms.

Rofu International Corp.
3725 Old Conejo Rd.
Newbury Park, CA 91320
(805) 499-0316, (800) 255-ROFU
FAX: (805) 499-3154
Key Personnel: Len Guyt, Pres.
Rofu International Corporation stocks for immediate delivery a wide selection of electric strikes, high security electric strikes, electro-magnetic locks, switches, lockshields, keyless access control systems and installation hardware.
See ads on pages 101, 103, 105, 109

Rollson Industry, Inc.
3600 Wilshire Blvd., Suite 1732
Los Angeles, CA 90010
(213) 386-9188
FAX: (213) 386-8198
Key Personnel: Ralph Wolf, Sales Mgr.
Rollson markets a complete line of surface mounted door closers. Service is our Number 1 commitment! Consider Rollson door closers the next time you place an order.

Rohlkey Brass
P.O. Box 429
501 Railroad St.
Taylorsville, KY 40071
(502) 477-8822 (800) 542-7562
FAX: (502) 477-8831
Key Personnel: Tom Jennings, Pres.; Gary Jouvelakos, VP Sales

Roton
Division of Hager Hinge Co.
1115 N. Ellsworth
Villa Park, IL 60181
(708) 941-0900
FAX: (708) 941-0113
Key Personnel: Warren Hager, Sales Mgr.
Roton manufactures continuous gear hinges which are applied to the full height of door and frame. Made of extruded aluminum alloy, Roton hinges are used in contract, retrofit, school, hospital and security applications for high-frequency doors with weights up to 1000 lbs. supported by shock absorbent, molded bearings.

Rutherford Controls, Inc.
2697 International Pkwy. Bldg. #3 122
Virginia Beach, VA 23452
(804) 427-1230
FAX: (804) 427-9549
Key Personnel: Tracey Rutherford, US Operations; David G. Halls, US Nat'l Sales Mgr.; Mark Rezad Controller.
Rutherford Controls is a North American designer and importer specializing in "Electric Locking" products. The lines represented are effeff electric strikes and locks and Conford electro-magnetic locks. Rutherford markets their product lines nationally through the locksmith, hardware, access control and alarm distributor industries. Rutherford offers quality, value and service.

Ryan, Inc.
2908 Oregon Ct., I-5
Torrance, CA 90503
(310) 328-6553; (800) 841-3919 (CA).

(800) 447-9826 (Nat'l.)
FAX: (310) 212-6002
Key Personnel: Mike Sapko, Pres.; Carol Silbaugh, Mktg.; Robin Richardling, Cust. Svc.; Sam Sapko, Tech. Supp.
Key machine manufacturer, lock picks, hand tools, new product development,new product design and manufacturer.

Safe Corporation
1779 Vortec Dr.
Boulder, CO 80301
(303) 444-5023
FAX: (303) 4490425
Key Personnel: Brian Hambleton, Pres., Lorraine Hambleton, VP-Sales
Safe Corporation manufactures a complete line of Aaron burglary safes with the "Safetron" electronic lock, combination or dual key lock. Safe Corporation is a UL approved facility and builds Eagle TL-15 and TL-30 bank and jewelry

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SAFE CORPORATION

Continued from previous page

safes. Customizing safes with teller lockers, depositories and various inner compartments is accomplished quickly through the "FasTrac" design and production system.

Safe N' Ready
1951 Plaza Real
Oceanside, CA 92056
(800) 321-7606
FAX: (619) 758-7659
Key Personnel: Joseph Kuneman, Pres.; Anthony Benitez, Sales & Mktg. Mgr.
Manufacturers of the Port-A-Safe and other quick access firearm safes for handguns and rifles, all with the Simplex pushbutton locking system.

Safe-O-Mat Coin Locks
4408 Dunham Dr.
Minneapolis, MN 55435
(612) 927-6103
FAX: (612) 926-9502
Key Personnel: George Lundegard, Sales Mgr.
Quick and easy-to-install Safe-O-Mat Coin activated "deposit" locks come in two styles "coin return and coin collect." Designed for steel or wood lockers and installed in the same manner as built-in combination or key locks.

Safety Technology
2306 Airport Rd.
Waterford, MI 48327
(800) 888-4784
FAX: (313) 673-1246
Key Personnel: John Taylor, Nat'l. Sales; Lori Lynn Taylor, Dir. of Mktg.
STI's patented use proven products can stop what's bugging you - false fire alarms, fire extinguisher theft, smoke detector damage, vandalism of cab-net mounted fire gear, unauthorized use of fire exit doors, emergency door problems and more. Call today.
See ad on page 24

SanBar Technologies, Inc.
P.O. Box 41625
Santa Barbara, CA 93140
(805) 564-6931
Key Personnel: Fred A. Barbaria, Pres.
SanBar Technologies manufactures the ProxiKey™ System, a proximity single door access control system for up to 32 users. System user individually coded, individually controlled proximity keys.

Sandstrom Products Co.
224 Main Street (Ship)
P.O. Box 547 (Mail)
Port Byron, IL 61275
(309) 523-2121, (800) 747-1084
FAX: (309) 523-3912
Key Personnel: Rick J. Hartsock, Pres.
Sandstrom Proxylube® lubricants are low friction, lacquer-like products containing fluorocarbon, molybdenum disulfide and/or graphite pigments. They are designed to prevent corrosion, galling, seizing and fretting.

Sargent & Greenleaf, Inc.
One Security Drive
Nicholasville, KY 40356
(606) 885-9411
FAX: (606) 885-3063
Key Personnel: Gary D. Kepler, Sales/Mktg. Svc.; Ned R. Urschel, VP-Sales; Gary R. Murphree, VP-Gov. Business Dev.
Sargent & Greenleaf manufactures Group I 6730 R-locks and Group II manipulation proof combination locks, vault locks, high security key and combination padlocks which meet military and government specifications. Additional products: environmental padlocks, safe deposit locks, safe handles, dials and rings, access control, mechanical and electronic time locks, and time delay locks.

Sargent Manufacturing Co.
100 Sargent Dr.
New Haven, CT 06511
(203) 562-2151
FAX: (203) 776-5992
Sargent offers a variety of door hardware to the locksmith including mortise and bored locks, auxiliary locks, door closers and exit devices.

ScanGlobal, Inc.
425 River View Plaza
Trenton, NJ 08611
(800) 929-8866
FAX: (609) 695-0822
Key Personnel: Jack Armstrong, Pres.; Dana M. Hones, Mktg.
PROTOX is a security system that physically secures computer/office equipment to virtually any surface. Models for PC's, laptops, fax machines, printers. It is easy to install. 3M VHB tape offers up to 1,680 pounds of resistance. All locks can have the same key, different keys, or one master key.
See ad on page 165

Schlage Lock Co.
2401 Bayshore Blvd.
San Francisco, CA 94134
(415) 467-1100
FAX: (415) 330-5626
Key Personnel: Marie Burkhardt, John Swedeen, Peter Arezzini
Schlage Lock offers a full line of affordable security products, including deadbolts, door locks, accessibility levers and products, Primus high security cylinders and the P-series, our new padlock offering.
See ad on page 188

Schwab Corp.
3000 Main St.
Lafayette, IN 47903-5085
(317) 447-9470, (800) 428-7678
FAX: (317) 447-8278



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Key Personnel: Peter Neisel, Pres.; Jeff McQueen, Mktg. Mgr.
Schwab manufactures a complete line of UL rated fire resistant insulated safes, files and vault doors. These products are designed to protect paper, microforms, and magnetic media from loss during a fire. All Schwab products feature customized interiors designed to meet the user's special storage and protection requirements.

Scotsman Security Products
25181 Hwy. 88
P.O. Box 456
Pioneer, CA 95666
(209) 295-7747, (800) 321-GARD
FAX: (209) 295-5833
Key Personnel: Robert R. Irmer, Pres./GM; Elmagene Irmer, Sec'y-Treas./Office Mgr.
For 22 years, Scotsman has been developing and manufacturing with price the highest quality products for the locksmith and builders hardware industries. Choice of tubular key machines: 74/E, 74/X and 74/XU. Tubular key blanks, full line of narrowstile aluminum storefront high security protection: DorGard I, DorGard II, DorGard III, DorGard IV, DorGard V.
See ad on page 65

Sealeze Corp.
8013 Whitebark Terrace
Richmond, VA 23237
(800) 446-7325
FAX: (804) 743-0051
Key Personnel: Olin V. Hyde, Pres., Dennis Klisz, Exec. VP
As the originator of brush seal technology, Sealeze Corp. carries a full line of gasketing and thresholds to complement any door package. Sealeze also manufactures high-quality brush seals for commercial, industrial and residential applications.

SecoLarm
17811 Sky Park, Circle Ste. E
Irvine, CA 92714
(714) 261-2999 in CA; (800) 662-0800
FAX: (714) 261-7326
Key Personnel: S.M. Hwang, Pres.; Michael Block, Gen. Sales Mgr.
Commercial/Residential Security Systems and Accessories including: control panels, audio discriminators, sirens, strobe lights, magnetic contacts, emergency/hold-up buttons, key locks, RF transmitters and receivers. Vehicle Security Systems and Accessories including: RF modular alarms, RF one-piece alarms, pagers, space detectors, shock/motion/glass break detectors.

Secura Key
20447 Nordhoff St.
Chatsworth, CA 91311
(818) 882-0020
FAX: (818) 882-7052
Key Personnel: Gordon S. Morris, Dir. Sales/Mktg.; Eric Berrocco, Sales Mgr.
Secura Key is a manufacturer of access control products including the patented, stainless Touch Card® Reader available as a stand-alone with time zones and printouts, or with a Wiegand output. PC-based systems; Radio Key™ transmitters with individual permit/void capability; vehicle identification systems.

SecureTech Inc.
18 Maple Court
East Longmeadow, MA 01028
(413) 525-7039, (800) 451-7592
Manufacturer of the Kabli™ anti-theft security device for physical security of computers and other office machines. Usually attaches to your equipment without drilling or gluing. Catalog available.

Securtech Group Inc.
54-45 44th St.
Maspeth, NY 11378
(800) 622-LOCK, (718) 392-9000
FAX: (718) 392-8944
Key Personnel: Mark Berger, Pres.; Christine Spooner and Simone Melchiori, Customer Svc.
Manufacturers of innovative and effective high-security and vandal-resistant door locks including MAGLATCH, U. listed electromagnetic and mechanical locking system; MP Police Lock, surface-mounted 4-point locks, PEDS, automatic deadbolt exit device; Doublethrow and T Deibert, long throw tubular deadbolts (1-1/2" & 2") and other special locks and functions.

Securitron
550 Vista Blvd.
Sparks, NV 89434
(702) 355-LOCK
FAX: (800) MAG-LOCK
Key Personnel: Bob Cook, Pres.; Vince Fratticciardi, VP-Mktg.; Scott Baker, Nat'l Sales Mgr.
Manufacturers of the Magnalock, the rust proof magnetic lock with the stainless steel case, the DK-20+ digital keypad, weatherproof with the versatility to interface with any electric lock; the revolutionary Touch-Sense Bar exit device; power supplies, electric key switch panels; timers; and custom control systems.
See ad on page 33

Security Door Controls
31280 La Baya Drive
Westlake Village, CA 91362-4005
(818) 889-1622
FAX: (800) 959-4732
Key Personnel: Rick Geringer, VP; Gary Thornberg, Nat'l Sales Mgr.; Kelly Lee, Cust. Svc.
For 20 years, SDC has been manufacturing electric locks for the locksmith industry. Included

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Designing Excellence and Manufacturing Quality since 1956

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SEC. DOOR CONTROLS

Continued from previous page

...n the SDC product line are electromagnetic locks, electric bolt locks, electric strikes, digital keypads, power supplies with battery backup capabilities and a full line of switch control accessories.

Security Fastener Co.
3854 Industrial Way
Benicia, CA 94510
(707) 746-8025, (800) 227-2424
FAX: (707) 746-0347
Key Personnel: Rich Ross, Bob Ross, Mktg.
Manufacturers of all types of tamperproof fasteners: One-Way, Spanner, Hex and Torx Pin-Socket, Breakaway, Tri-Groove, Tamperproof Nuts, and Sex Bolts, in steel, stainless, brass, and aluminum, and their respective installation/removal tools; bulk, packaged, and assortments.
See ad on page 39

Security Latch
100 Mission Trail
Cedarville, MI 49719
(800) 633-6622
Key Personnel: Robert Vanderboegh
Security Latch is used to add extra security to doors and exits equipped with panic exit devices.
See ad on page 64

Security Works, Inc.
1522 East Commercial Blvd.
Oakland Park, FL
(305) 938-9211
FAX: (305) 938-9604
Key Personnel: Jim Dezell, Pres.
Manufacturer of innovative security products including a 7 percent Pepper Personal Defense Spray, Personal Alarm (130DB), electronic parking dog security system (Radar), doorscope (4" door peephole), and several Do-It-Yourself wireless home security systems. Security Works also distributes over 1500 Security Products. Call for free catalog.

Seismic Products
221 Rialto Ave.
Venice, CA 90291
(310) 396-9719
Key Personnel: Howard Arnold, Pres.
Key blanks for obsolete and discontinued locks, inexpensive tooling, special services. Low minimum quantities.

Select Products Limited
P.O. Box 19584
Kalamazoo, MI 49019-0584
(800) 423-1174
FAX: (800) 423-7107
Key Personnel: Peggy Quinn, Gen'l. Mgr.; Cheryl Bixby, Cust. Svc. Rep.
Manufacturer of aluminum continuous gear door hinges. Stocked in 83", 85", 95" and 120" lengths in clear and dark bronze in standard and heavy duty. Custom lengths and custom colors available.

Sensor Engineering Company
2155 State St.
Hamden, CT 06517
(203) 777-7443
FAX: (203) 776-6780
Key Personnel: Paul E. Panse, VP Sales & Mktg.; Cyntnia Christie, Cust. Svc. Mgr.
Wiegand encoded cards and keys, associated readers, combination key pad readers, network communications devices, and Sensor's "Proximo", our new line of proximity cards and readers.

Sentry Door Lock Guards
P.O. Box 326
Dania, FL 33004
(305) 922-1604
Key Personnel: Michael W. Dorn, Pres., E. Diana Dorn, Sec'y./Treas.
Trade names: Flim-Flam, Gard-Z-Em, Stop Thief, Interlock, K-Man, make-door guards for in and outswing doors, sliding door locks, hinge pins, door viewers.

Sentry Group
900 Linden Ave.
Rochester, NY 14625
(800) 828-1438
FAX: (716) 381-8559
Key Personnel: Doug Brush, Pres.; Jim Brush, VP sales; Todd Westman, Acct. Sales Exec.
For over 60 years, Sentry® Group has designed and manufactured a complete line of UL classified Fire/Safe® containers for the home and office. Sentry's professional quality products come in a variety of shapes and sizes, depending on your protection needs. All Fire/Safe products are backed by Sentry's guarantee.
See ad on page 75

Sentrylok Corp.
33 South Service Road
Jericho, NY 11753
(516) 333-2420
FAX: (516) 333-1880
Key Personnel: Scott Kuntz, Pres.; Robert Fox, VP; Ed Fuhr, Sales Mgr.
Sentrylok is a manufacturer of alarmed panic hardware, electromagnetic locks, electric deadbolt locks, unalarmed panic hardware, and electrified cylindrical and mortise locks. Our panic hardware is UL listed.

SeQwil Corp.
145 W. Main St.
Barrington, IL 60010
(708) 381-0730
FAX: (708) 381-1676
The SeQwil CA300 Safe-Key Box is the most innovative electronic lock box on the market because it permits you to control and track access in advance. Designed for residential and commercial applications.

Serr-Edge Machine Co.
4471 W. 160th St.
Cleveland, OH 44135
(800) 443-8097, (216) 267-6333
Fax: (216) 267-2929
Key Personnel: Linda Riba-Oakley, Pres.
Serr-Edge Machine, manufacturers of sharpening equipment since 1940, provides low cost, high quality sharpeners that increase a locksmith's service potential. In just minutes, scissors and shears can be professionally sharpened. This service increases customer traffic, and earns repeating profits. Easy and swift operation with professional results.

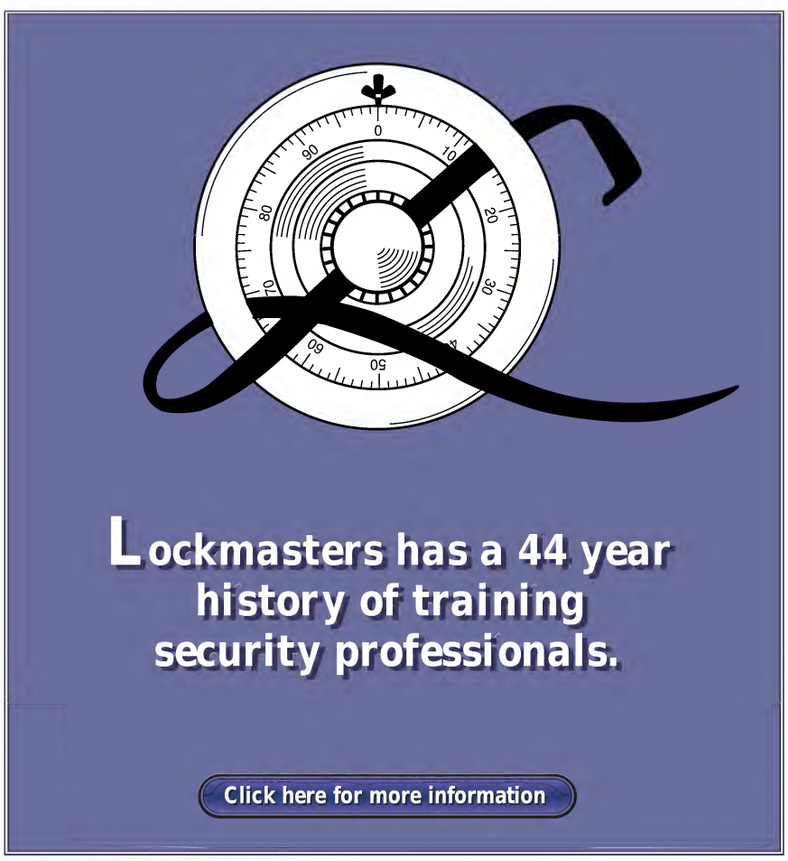
Shwayder Co.
2335 E. Lincoln
Birmingham, MI 48008
(313) 645-9511
Key Personnel: Mark Shwayder, Pres.

Sibes Brass/Iseo Locks
260 Lambert Suite "K"
Oxnard, CA 93030
(800) 843-4951
FAX: (805) 988-9493
Key Personnel: J. Harvey Landry, Pres.

Sieveking Products Co.
P.O. Box 4287
Rockford, IL 61110
(815) 874-4030
Key Personnel: Bob Sieveking, Owner; Jane Sieveking, Mgr.
Manufacturers of Squeeze-Play™, Clamp-King™, Door Core TM, E-Z Pull, Jakstrap flashlight holding device. Locksmithing tools for the professional locksmith.

Silca U.S.A. Inc.
9049 Dutton Drive
Twinsburg, OH 44087
(216) 487-5454
FAX: (216) 487-5459
Key Personnel: Barney Goldberg, VP Sales; David Powell, GM; Dan Mears, W. Reg. Mgr.
Silca keys and key duplicating machines featuring nickel plated brass keys, rubber

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SILCA KEYS USA

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headed keys and high security keys are now available directly from our facility in the US.
See ads on pages 11, 13, 87, 89

Silent Knight Security Systems
7550 Meridian Circle
Maple Grove, MN 55369
(612) 493-6435 (800) 446-6444
FAX: (612) 493-6475
Key Personnel: Kit Vail, Pres.; Brian Dunn, VP Sales & Mktg.; Molly Buck, Mktg. Coord.
Silent Knight manufactures sophisticated security and fire protection systems, including: the model 2820 16-zone control communicator for access control, burglary or fire applications; 4- and 8- zone digital fire communicators, 4- and 8- zone fire control communicators; telephone entry systems, the model 9000 digital central receiver.

William Silver & Co., Inc.
31 Southwick Court South
Plainview, NY 11803
(516) 931-0391
Key Personnel: Frank Borenge, Pres.; Jerome Goldstein, Sec./Treas.; Elain Korenge, VP
Manufacturers of the Medeco® Biaxial key gauge. The gauge decodes both biaxial and standard (air) keyway cut keys. It is easily read and fits in a shirt pocket. Made of stainless steel.

Simplex Access Controls ®
2941 Indiana Ave.
P.O. Box 4114
Winston-Salem, NC 27115-4114
(910)725-1331
FAX: (800) 346-9640
Key Personnel: Thomas E. Nazziola, VP-Mktg
Mechanical pushbutton combination access controls, locks and shunt switches.

Sinox Co., Ltd.
P.O. Box 96-156
Taipei, Taiwan
886-2-7038370
FAX: 886-2-7044806,
Key Personnel: C. K. Ling, Pres.
Sinox is the most renowned lock maker in Asia and specializes in continuous development of new ideas in the area of combination padlocks, bicycle locks and luggage locks.

Sleuth Security Systems
3100 Airway Ave. #128
Costa Mesa, CA 92626
(800) 473-2871
FAX: (714) 662-3171
Key Personnel: Alex Skarbek, Pres.
Sleuth Security Systems is a manufacturer of anti-shoplifting devices. Its primary products are Electronic Article Surveillance systems including tags for clothing and labels for hardgoods. Antenna systems are installed at door entrances which are designed to deter theft. Let sleuth be your loss prevention company by calling today.

Slide Lock Tool Co., Inc.
1166 Topside Rd.
Louisville, TN 37777
(615) 577-8470, (800) 336-8812
FAX: (615) 577-5936
Key Personnel: D. Scott Selby, R & D; Elaine Selby, Inside Sales Mgr.
'94 Master Z-Tool ®System. The result of ongoing development, tracking the history of automotive lock systems. System details the opening of over 800 models from the 1950's to the newest '94 show room models. The geometric shape of Z-tool® replaces the need for 30 plus piece multi tooled kits. Distributors welcome.
See ad on page 77

Slideline, Inc.
5216 Silver Bluff Dr.
Oceanside, CA 92057
(619) 945-0544
Key Personnel: Davie G. Hutchison, Pres.
CEO; David M. Prochaska, VP.
Manufacturers for sliding patio door hardware. Two new products; an automatic sliding patio door closer and self-latching lock. Both products provide safety, security, and energy conservation. See your local distributor for product availability and details.

Smart Access Inc.
124 Robin Rd., Ste. 1800
Altamonte Springs, Fl 32701
(407) 331-4724
FAX: (407) 331-0656
Key Personnel: Mehdi Daryadel, Pres.
Smart Access manufactures both single door and multiple door card access systems. Products can be interface to personal computers. The company also offers computer-based badging systems.

T.L. Snook (lights)
5716 W. Grand Ave.
Chicago, IL 60639
(312) 637-0889
T.L. Snook manufactures custom light kits machined from aircraft aluminum with super bright Xenon bulbs (state-of-the-art). Only 5/32" in diameter. Used for car openings, safe and alarm installation and inspection for machine tools, aerospace, auto and boat mechanics. Snook will custom design a kit to fit your special needs.

H. Soss & Co.
5736 West 96th St.
P.O. Box 45707
Los Angeles, CA 90045
(800) 521-3008
FAX: (213) 670-0204
Key Personnel: Charles J. Strauss, Dir.-Sales; Ken Wright, Sales Mgr.; Nancy Hericks, Cust. Svc. Adm.
H. Soss & Company offers a full line of architectural-grade hinges and pivots. The complete line includes all types, sizes and finishes. In addition, a full line of electrified hinges as well as "Vanguard" concealed bearing hinges is available. H. Soss is a subsidiary of Yale Security Inc.

Southern State Technology
6416 Pembroke Rd.
Miramar, FL 33023
(305) 989-7735
Key Personnel: Don Barraclough, Henry Sims

Southwest Microwave, Inc.
2922 South Roosevelt St.
Tempe, AZ 85282
(602) 968-5995
FAX: (602) 894-1731
Key Personnel: Gus Fitch, Prod. Mgr.; Tom Wallace, Nat'l Sales Mgr.; Richard Santillo, Tech. App. Rep.
Manufactures outdoor intrusion detection sensors - single-ended outdoor transceivers (up to 400 foot range), and point-to-point microwave links, (up to 1500 foot range); fence/bldg mounted vibration sensitive cable sensor system, outdoor passive infrared sensor (up to 300 foot range). Microwave Video/Data transmission links transmit cable quality real time Video and control (up to 10 mile range).

Specialty Hardware Products Inc.
321 Ellis Street
New Britain, CT 06051
(203) 827-0702
FAX: (203) 828-1912
Key Personnel: Gloria Lavinio.
Since 1963, Specialty Hardware Products Inc has been manufacturing steel and aluminum hinges for industrial, commercial, environmental and marine environmental applications. SHP's EZ-3 and EZ-5 hinge kits have a universal fit with installation in 20 minutes. The kits are ideal for heavy, frequently used doors and can carry up to 100,000 pounds.

Specialty Products Mfg. Co.
291 Clark St. Ext., P.O. Box 158
Plantsville, CT 06479
(203) 621-6969
FAX: (203) 621-6969
Key Personnel: David T. Randall, Pres.
Specialty Products Mfg. produces a full line of replacement lock tumbler pins in both 0.005, 0.003 increments and interchangeable core products. Original manufacturers design pins are also available, as well as a complete line of heavy duty pinning kits.
See ad on page 27

Speco/Emco/Cs
1172 Rt. 109
Lindenhurst, NY 11757
(516) 957-8700 (in NY city)
(800) 645-5516
FAX: (516) 957-9142
Key Personnel: Mel Hulkower, VP Sales; Eric Forman, Sales Mgr.; Angela Caralon, Reg. Sales Mgr.
Look to the future with SPECO audio and video intercoms that interface with electric door locks. VDP 2000-Video doorphone with doorlock interface; WL300D door intercom with doorlock interface.

Speedypik® Corp.
350 Longwood Ave.
Boston, MA 02115
(617) 567-1111
FAX: (617) 277-7777
Key Personnel: William J. Cimino, Inventor-Locksmith
"Automatic key identification system". This device will fit into your IBM compatible computer (5-1/4" floppy disc size) program your keyboard the way you like, insert the customers key in the universal keyholder and in seconds the exact match is displayed by name and hook number. Eliminates training time!

Standard Wholesale Hardware, Inc.
42 Ludlow St.
New York, NY 10002
(212) 353-0450 (800) 543-LOCK
(516) 222-1620 (914) 683-0054
FAX: (212) 420-9892
Full line stocking distributors of locksmith supplies. Major brands in stock include: Medeco, Schlage,HPC, Arrow, Master, Kwikset, Russwin, Amsec, Segal, Marks, All-Lock, Yale, Ilco, Detex, LCN, Simplex,Folger-Adam, Adams-Rite, American, Norton, Auto-Security and Securitron.

Stanley Hardware
480 Myrtle St.
New Britian, CT 06050
(203) 225-5111
FAX: (203) 827-5780
Key Personnel: David Loughran, Mktg.; Steve Curran, Sales
The nation's oldest hinge manufacturer.

Star Key Industries, Inc.
29 Scott Ave.
Brooklyn, NY 11237
(718) 821-8300
FAX: (718) 821-8305
Key Personnel: Richard S. Cohen, Pres.
Star Key, a full line keyblank manufacturer, is undergoing exciting new changes under new management and engineering professionals. All American Star Key offers impeccable quality key blanks at no-nonsense pricing.
See ad on page 17

Steadfast Manufacturing Co.
229 Marginal St.
Chelsea, MA 02150
(617) 889-3400 (800) DIAL 911
FAX: (617) 889-2424
Key Personnel: James Fuller, GM; Bob Simeone, Nat'l. Sales Mgr.
Steadfast Manufacturing Co. manufactures anti-theft device for cars and trucks that have

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STEADFAST

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aroused great interest among locksmiths. The systems are sold nationwide. Its reputation for simple yet highly effective devices, together with good profit margins, have appealed widely to locksmiths specializing in car locks and auto theft repairs.

Steck Mfg. Co., Inc.
1115 South Broadway
Dayton, OH 45408
(513) 222-0062, (800) 227-8325
FAX: (513) 222-6666
Key Personnel: Ray Steck
Steck manufactures a complete set of car door unlocking tools as well as tools to remove car door handles and door trim panels.
See ad on page 48

Steelman/JS Products, Inc.
4083 So. Industrial Rd.
Las Vegas, NV 89103
(800) 255-7011
Key Personnel: Jeff Marshall, VP Sales/Mktg.
(800) 255-7011
FAX: (702) 362-5054
Steelman/JS Products, Inc. manufactures and distributes various products for the professional under its brand name Steelman®. The products include Bend-A-Light, (high intensity flexible light tools), Brighteyes Headlights, (used for night impressioning work, a flashlight when both hands are needed), and a new product, Inspector, a lighted adjustable inspection mirror.

Strong Arm Security, Inc.
2228 Kenny Way
So. San Francisco, CA 94080
(415) 952-7710
FAX: (415) 873-6723
Key Personnel: R. Volosing, Pres.; Z. Volosing, Rec. Sec.
Hardplate drilling equipment for opening safes. The razor sharp Strong Arm drill bits are custom ground on a diamond wheel, comes in nine sizes and are economically priced. Also sell a lever bar drill rig with the Bosch 1194 drillmotor and a screw type Mini Rig.

Sully Tools, Inc.
3515 Nodding Pine Ct.
Fairfax VA 22033
(703) 689-3416
FAX: (703) 787-0869
Key Personnel: Patrick H. Sullivan, Pres., Nancy M. Sullivan, VP.
Sully Tools, Inc. manufactures the famous Sully™ car entry tools, publishes Automotive Lock Institute technical manuals and conducts international seminars on various security subjects. Founded by Patrick H. Sullivan, Ph.D. in 1984, Sully Tools, Inc. offers engineering consulting and new product development services to numerous companies and government agencies.

Super Coil
A Division of QMP Enterprises
10 Jason Rd., P.O. Box 9
Phoenix, NY 13135
(315) 695-2000
FAX: (315) 695-7250
Key Personnel: John Bayle, Nat'l Sales Mgr.
Super Coil manufactures the Highest Quality coil products with the Highest Impulse Appeal in the world. We ship across the country and internationally. Our number one item is "The Original" Wrist Key Coil. Other items include Flash Key Coil, Belt Key Coil, Key Coil Fastener, Key Coil Alert and much more!

Superior Lock, Inc.
35056 Cardel a Ave.
Clinton Twp, MI 48035
(313) 790-1820
FAX: (313) 469-3256
Key Personnel: Robert A. Clevio, Pres.
Since 1969, Superior Lock, Inc. has manufactured mortise, rim, dummy and thumb turn cylinders to supply the O.E.M. builders' hardware, and locksmith distributor industry. Superior Lock, Inc. cylinders are machined from solid bar brass, precision drilled key cuts and pin spacing interchange with original systems. Manufactured in the USA.

Supra Products, Inc.
P.O. Box 3167
Salem, OR 97302
(800) 547-0252
FAX: (503) 364-1285
Key Personnel: Larry Springgate, Consumer Accts. Mgr.;
Manufacturer of KeySafes for home and industry. Combination style keyboxes eliminate the need to carry keys. Mortise and cam lock style key boxes can be integrated into existing master key systems. Products are available through locksmith wholesale distributors.

Synergistics Inc.
9 Tech Circle
Natick, MA 01760
(508) 655-1340
FAX: (508) 651-2902
Key Personnel: William Tetrick, Pres., Robert Pogorelc, Sales Mgr.
Synergistic manufactures a complete line of access control systems for security. Products range from our popular ATM vestibule protection systems to distributed processing systems designed to provide access control for an entire building or an entire complex of buildings.

Systematics
A Division of Cardkey Systems, Inc.
101 W. Cochran St.
Simi Valley, CA 93065
(805) 522-5555
FAX: (805) 526-0064
Key Personnel: James Hunter, GM; Flo Cowden, Mktg. Comm. Mgr.
Applications for Systematics products range from single door control of a small shop or business to control up to four doors. The products are truly cost-effective and have been designed for easy installation by professional locksmiths and alarm system installers.

Tamperproof Screw Co., Inc.
30 Laurel St.
Hicksville, NY 11801
(516) 931-1616
FAX: (516) 931-1654
Key Personnel: Lewis Friedman, Pres.; George Friedman, VP; Alaina Picitelli, Sales Mgr.
Tamperproof offers a complete line of corrosion-resistant security screws designed to prevent vandalism and thefts, yet allows easy access to authorized personnel with the matching tools. These screws are virtually impossible to remove without the special matching screwdrivers.

Tane Alarm Products
247-40 Jericho Take.
Floral Pk., NY 11001
(800) 852-5050
FAX: (516) 326-9125
Key Personnel: Tab M. Houser, VP Sales/Mktg.
Magnetic Reed contacts with $50-1 guarantee. Reed switches, relays, magnetics. Recess and surface mount plus strobes.

Tanner Bolt & Nut Corp.
783 East 42nd St.
Brooklyn, NY 11210
(800) 456-2658, (718) 434-4500
FAX: (718) 434-3215
Key Personnel: Jeff Tanner, Pres., David L. Kram, Sales Mgr.
Tanner stocks a full line of fasteners, anchoring systems and installation tools for the locksmith and security industries.
Call today for our complete catalog.
See ad on page 74

Taymar Industries Inc.
1586 Zephyr Ave.
Hayward, CA 94544
(510) 429-0888,
FAX: (510) 429-0397
Key Personnel: Andy Zalkow, Pres., Alex Perry, N'tl Sales Mgr., Ken Sale, Reg. Sales Mgr.
Distributors of Builders' Hardware for over 40 years. Lines include: chain door guards, door closers, door push and pull plates, door stops, door viewers, exit devices, door hinges, cabinet hardware, lockset and deadbolts, brass numbers and letters.

Tech Manufacturing
536 Halsey Ave. SE
Buffalo, MN 55313
(612) 477-5270, (800) 832-4220
FAX: (612) 477-5737
Key Personnel: Jerry Mattson, Pres.
Tech Manufacturing's combination cam lock can easily convert keyed cabinets to combination security by directly replacing a standard 3/4" diameter keyed cam lock. Locks are individually packaged on multi-colored skin packaged display cards. The locks are available in three lengths: 5/8" (K2001-5/8"), 7/8" (K3001-7/8") and 1-1/8" (K4001-1-1/8").

Telecourier, Inc.
950 West Valley Rd., Suite 3102
Wayne, PA 19087
(215) 687-0590
FAX: (215) 687-0641
Key Personnel: Dennis Bradley, Mktg. Mgr., Ed Amaker, Svc. Mgr.
Telecourier is well established as a manufacturer of high quality personal duress alarm systems and on-site paging systems. We manufacture the digiLARM, telePROTECT, and teleCOURIER systems.

Telkee
300 S. Pennell Road
Media, PA 19063
(215) 459-1100
FAX: (215) 459-1063
Key Personnel: Anthony A. Salamone, Pres.; Peter M. Lindley, VP-Sales/Mktg.
Telkee is one of the oldest and largest manufacturers of dual tag key control systems. Telkee systems feature a three-way visible cross index system to identify keys alphabetically, by hook number, or key number. Systems are available to hold 20 to 2200 keys.

Teskey Enterprises Inc.
17572 Griffin Lane
Huntington Beach, CA 92647
(714) 842-2378
FAX: (714) 847-0359
Teskey Enterprises is the low price leader in OEM locks, truck body hardware, office furniture hardware and custom hardware tooling and applications.

Thug Bug Corp.
P.O. Box 1062
South Windsor, CT 06074
(203) 644-4777
FAX: (203) 644-2882
Key Personnel: David Zingle, Pres.
The Thug Bug 3700 remote is a two button three-channel remote which includes starter interrupt, light flashing, valet, status LED, two transmitters, 120 DB siren, and shock sensor. Transmitter range is up to 150'. All Thug Bug remotes carry a limited lifetime warranty.

Tice Industries
2219 N. Vancouver Ave.
Portland, OR 97227
(503) 284-0122

Timber Line Supply, Ltd.
915 Sherwood Dr.
Lake Bluff, IL 60044

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TIMBERLINE SUPPLY

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(708) 234-1864, (800) LOCKBAR
FAX: (708) 234-7922
Key Personnel: Tim Peters, Sales; Chris Bower, Cust. Svc.; Sandy Berndt, Cust. Svc.
Timberline Supply Ltd. supplies locks and locking systems to the woodworking industry. Locks range from cam locks to central locking systems. All locks feature removable cores. Standard product ships in three days or less with no minimum order size. All products manufactured by Timberline in USA.

Time Domain Circuits
P.O. Box 691623
San Antonio, TX 78269
(210) 651-8766
Key Personnel: Steve Chrisy, Sales; Kirk Otto, Tech. Supp.
TDC, a Texas based company manufactures high quality electronic access control devices for use in small to medium size installations. Products include the ESS Series of touch key controllers allowing up to 3000 unique keys to be programmed per unit on some models; OEM and dealer inquiry welcome.

Timtronics Technology
P.O. Box 9692
Canoga Park, CA 91309
(818) 718-9621
FAX: (818) 718-6741
Key Personnel: Lese Conemac, Sales Mgr.
Timtronics Technology, manufacturer of the "Knightstick" and "Wedge Alert" alarm systems. The "Knightstick" secures sliding doors and sliding windows. The "Wedge Alert" secures inward opening doors. Both units emit a piercing 85 db audible alarm. These units are battery operated and portable, for home or travel, etc.

Toshiba C.C.T.V.
52 Totowa Rd.
Wayne, NJ 07470
(201) 628-8000
FAX: (201) 628-8755
Key Personnel: Bob Schandler, Nat'l Sales & Mktg. Mgr.; Mike Skryha, Nat'l Mgr. Sales Spt.
Manufacturer of the Tapse VCRs, color and B/W cameras, color and B/W monitors, and a color quad and accessories.

Trans-Atlantic Co.
440 Fairmount Ave.
Philadelphia, PA 19122
(215) 629-0400
FAX: (215) 629-1282
WATS: (800) 523-9956
Key Personnel: Norman A. Millman, Pres.; Bernard Davis, VP
We are the oldest (est. 1951) stocking importer of high quality, commercial and residential grade builders and security products from the many outstanding offshore manufacturers we represent for the USA market. We specialize in locks, deadlocks, rim and mortise cylinders, panic devices, door closers and door viewers.

Treskat USA
725 Adriane Park Circle
Kissimmee, FL 34744
(800) 645-5657
FAX: (407) 870-9696
Key Personnel: Ray Nazzaro, Pres.; Laura Nazzaro, VP Sales
Locksmith software including code books on computer disk, masterkey system development, automotive encyclopedia, key blank cross reference and management, inventory and invoicing. Tradenames: CodeMaster, Perfect Master, Automaster, Keymanager, Advantage, Keylinx.
See ad on page 155

TRIMCO (Triangle Brass Mfg. Co., Inc.)
3528 Emery St.
Los Angeles, CA 90023-0277
(213) 262-4191
FAX: (800) 637-TRIM
Key Personnel: Anita Cail, Cust. Svc. Mgr.; Angeles Carrillo, Cust. Svc. Supv.
TRIMCO is the trade name for Triangle Brass Manufacturing Co., which has been in the business for over 40 years. The manufacturing of high quality door hardware, including UL approved flushbolts, coordinators, push/pull latches and numerous other products and fixtures is more than a trade, it is our craft.

Trine Products Company
Access Control Div.
1430 Ferris Pl.
Bronx, NY 10461
(718) 829-4796
FAX: (718) 792-9127
Key Personnel: Gary Paley, Mktg. VP., Tim Harding, Nat'l Sales Mgr., William J. Schildwachter, Mktg. Mgr.; Chris Fein, Media Coord.;
We offer Electric strikes, wired and wireless signaling and remote devices, low voltage transformer, a full line of push buttons and door chimes. In business for more than 100 years and growing.

Tru Hone Corporation
1721 N. E. 9th Ave.
Ocala, FL 34470
(800) 237-4663 (904) 622-1213
FAX: (904) 622-9190
Key Personnel: James Gangelhoff, VP
Tru Hone has a knife-sharpening system for any size operation. The Tru Hone knife sharpener sharpens both bevels of a knife simultaneously, giving you precision sharpening in less than a minute. With the addition of a HG3 Hollow Grinder, knives are kept tapered like new, resulting in easier cutting, better steeling and longer knife life.

U-Change Lock Industries, Inc.
1640 West Highway 152
Mustang, OK 73064
(405) 376-1600 (800) 253-5625
FAX: (405) 376-6570
Key Personnel: Russell Myers, VP Sales & Mktg.; Bill Dillard, Pres.
U-Change Lock Industries manufactures the patented U-Change Lock System and other specialty security items. We provide complete

Major MANUFACTURING, INC.
Installation Tools
The Professionals Choice
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locksmith, door, gate, glass and security guard services through our network of local independent contractors (locksmiths, etc.). U-Change Lock is the authorized National Service Company for the Detex Corporation. Call for information about joining our service vendor network.

Ultra Hardware Products
1777 Hylton Rd.
Pennsauken, NJ 08110
(800) 426-6379
FAX: (800) 858-7210
Key Personnel: Michael Seidelman, Dan Carpey, Todd Kendall, Mart Hamilton, Helig Breggar, Stephanie Conway.
Residential and commercial door locks, residential and commercial closers and panic bars, home security hardware, general builder's hardware.

Ulrak, Inc.
2400 Industrial Lane, Suite 200&A
Broomfield, CO 80020
(303) 466-7333, (800) 846-8884
FAX: (303) 469-8336
Key Personnel: Kathie Duwe, Sales Coord.; Mike Bennett, Sales Mgr.; Tom Verzuh, Mktg. Dir.
Manufacturer of CCTV cameras, monitors, mounting brackets, RF video transmission, CCTV IR systems, magnetic switches, shock sensors, and panel buttons.

U.S. Lock Corp.
77 Rodeo Drive
Edgewood, NY 11717
(800) 525-5000
U.S. Lock manufactures a complete line of security and architectural hardware especially for locksmiths. The line features everything from padlocks to panic devices and is distributed through U.S. Lock Security Centers, a nationwide network of U.S. Lock authorized dealers.

U.S. Security Safe Corp.
3015 Dolores St.
Los Angeles, CA 90065
(818) 242-3156
Key Personnel: Phillip Alfeld, Pres.; Larry McCall, VP-Mktg./Sales.
High quality, low cost, fast delivery, dealers only, no direct sales. Complete line of floor safes, TL-15, TL-30, C rate burglary. Custom safes. U.S. Security dealers sell safes. Also hoppers safes and depository slot safes.

Ultimaster Corp.
65266 State Road 19
Wakarusa, IN 46573
(219) 862-4561, (800) 582-3454
FAX: (219) 862-4517
Key Personnel: Gregg KinKade, Dir. Mktg.; Doug Graham, VP Sales & Mktg.; Steve Campbell, Dir. Comm. Sales.
Ultimaster manufactures a complete line of Parcel Delivery vehicles, Aluminum and FRP truck bodies and walk-in vans, including the Aeromate mini Walk-In Van. All Ultimaster vehicles are built to customer specifications, not a retrofit. Call now for more information.

Valley Forge Security Products
101 Corporate Dr.
Hauppauge, NY 11788
(516) 435-1400, (800) 645-5604
FAX: (516) 435-1475
Key Personnel: Mel Miroff, Pres.; Sal J. Sacculo, VP.; Vic Volaski, VP Oper.
Valley Forge carries a complete line of import vehicle, ignition lock, door locks, and trunk locks. Applications cover all Japanese vehicles. Complete new illustrated catalog and application guide through 1992 is available.

Vari & Voli (USA) Inc.
DBA Voli & Colombo, USA
1540 Highland Ave.
P.O. Box 245
Duarte, CA 91010-0245
(818) 359-2569
FAX: (818) 358-0743
Key Personnel: Marinella Forment, VP/GM.
Manufacturer of Voli & Colombo, Forges & Fusta.

Vigilante Burglar Bars Inc.
1125 Lebanon St., PO Box 523
Bronx, NY 10460
(718) 597-7300
FAX: (718) 824-8685
Key Personnel: Larry Kaufman, Sales Mgr.
Manufacturers of the Vigilante Burglar Bars as well as a complete line of innovative steel security products. Sold exclusively through locksmith distributors, it is the strongest and most versatile security line available.

Vindicator
3001 Bee Caves Rd.
Austin, TX 78746-5561
(512) 314-1200
FAX: (512) 314-1270
Key Personnel: Howard Dame, VP Comm. Prod. Div.; John Mandel, VP Mktg.
Vindicator Lock is an advanced electronic lock for safes and other containers. It supports five doors, dual trial time lock, time delay and alarm interface. Access is controlled by an electronic key and PIN. Access "permissions" can be assigned to each user and reports can be printed remotely with a modem.

Von Duprin, Inc.
2720 Tobey Dr.
Indianapolis, IN 46219
(317) 897-9442
FAX: (317) 899-9302

Continued on next page

medeco®
HIGH SECURITY LOCKS

The market leader in locking systems for security, safety, and control.

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VON DUPRIN

Continued from previous page

Key Personnel: Fred Leverhagen, Mktg. Mgr.; Don McAtee, Sales Mgr.
Von Duprin is the leading manufacturer of door exit hardware, related electrical security products and systems; electric strikes, magnetic lock, card readers and wide range of monitoring and control products.
See ad on page 69

WD-40 Co.
P.O. Box 80607
San Diego, CA 92138-9021
(619) 275-1400
WD-40: Lubricant, penetrant, rust preventative, moisture displacer and cleaner.

Watchguard, Inc.
4228 First Avenue, Ste. 12
Tucker, GA 30084
(800) 428-4889, (404) 493-9332
FAX: (404) 493-9036
Key Personnel: Nigel Spark,VP Sales & Mktg.
Watchguard is an Australian Manufacturer which has been making quality home security hardware for over 70 years. Products include keyed window and patio locks., door knockers and viewers, door chains and guards, window stops, surface mounted slide bolts, jimmy proof deadbolts, cam locks, showcase locks and replacement door knobs.

Weiser Lock
6660 So. Broadmoor Rd.
Tucson, AZ 85746
(602) 741-6200, (800) 688-5625
FAX: (602) 741-6241
Key Personnel: Vern Schroeder, Pres., Robert Hamernick, Sr. VP, Sales; Dennis Craven, Mktg. Dir.
Since 1904, Weiser Locks has been a manufacturer of residential locksets, knobsets, leversets and handlesets.

Weslock National
13344 So. Main St.
Los Angeles, CA 90061
(310) 327-2770
FAX: (310) 324-4624
Key Personnel: Jim Gleason, VP Mktg.; Randy Skoglund, Reg. Mgr.; Jim Hill, Reg. Mgr.
Weslock National full line of residential lock sets deadbolts and entry handles.

West Coast Chain Mfg.
1460 S. Balboa Ave.
Ontario, CA 91761
(909) 923-7800
FAX: (909) 923-0024
Key Personnel: Craig Paugh, Pres.; John Iacono, VP; Shirley Paugh, Mktg.Mgr.
Manufacturers of Key-Bak key reels, Mini-Bak key returns and quality key accessories. Key-Bak is the original key reel and the standard of the industry. It is of U.S.A. origin and backed by a lifetime service policy. The company also produces light industrial chain.

Willow Bend/Dept. NL
P.O. Box 203
Chelmsford, MA 01824
(508) 256-8508
FAX: (508) 256-9765
Key Personnel: John Hiltz, Owner.
The "Lockout Light" Kit consists of an adaptor, three flexible fiber optic strands and three rigid rods. They mate to a Mag Instruments Mini Maglite AA™. The rod/fiber optic assembly fits between car window glass and door panel to illuminate door lock mechanisms. Also aids in safe/lock work.

Wilson Bohannan Co.
621 Buckeye St.
Marion, OH 43302
(614) 382-3639
FAX: (614) 383-1653
Key Personnel: William Houck, Pres.; Nancy Walters, Sales Mgr.; Randy Dawson, OP. Mgr.
A manufacturer of solid brass pin tumbler padlocks. A variety of body sizes, shackle sizes, and shackle materials available. Custom keying. W9® commercial grade and Top Brass® retail.

Wilson Safe Co.
3031 Island Ave.
Philadelphia, PA 19153
(215) 492-7100, (800) 345-8053
FAX: (215) 492-7104
Key Personnel: Ray Wilson, VP; Margie Wilson Sales.
Wilson Safe has a full line of Fire Safes in their Diplomat Line. These units are tested at 1800 degrees F. S&G Locks standard on Two Hour units. The Reliance Line offers undercounter and Depository Safes. B/C Rated Steel Chests, also NEW TL-15 and TL-30 U.L. Rated Safes.

Winfield Lock
1020 W. 17th St.
Costa Mesa, CA 92627

XL Lock, Inc.
2328 N. Batavia, #112
Orange, CA 92665-2026
(714) 282-2927
FAX: (714) 282-8239
Key Personnel: Lou Bone, Pres.; Coral Bone, VP Cust. Svc.
Since 1968, XL Lock, Inc. has been manufacturing quality original equipment mailbox locks. Other products are replacement locks for drawers and mailboxes, and "Power Off" Plug Stops, which when used with a padlock, prevent electrical plugs from being plugged into electrical sockets.

Yale®
A Division of Yale Security Inc.
P.O. Box 25288
Charlotte, NC 28229-8010
(704) 283-2101
Yale is a full line producer of locks, door closers, exit devices and other hardware products.

Young Bros. Stamp Works
P.O. Box 75
Muscatine, IA 52761
(800) 553-8248 (319) 263-3575
FAX: (319) 263-8003
Key Personnel: Jim Young, Pres.
Young Bros. Stamp Works has manufactured steel letter and figure hand stamps since 1904. Young Bros. also has brass stencils and steel type and holders in stock.
See ad on page 131

Z-Lock Mfg. Co.
P.O. Box 949
Redondo Beach, CA 90277
(310) 372-4842
Key Personnel: Jay S. Derman, Owner; M. Curran, Operations; C. O'Brien, Sales.
Lockette and Slotlock secure computer drive. Compulok fastens computer case. Soundsoff locks into radio cassette, slot Leash-It secures notebook computers, GRIP-ON secures electrical cords, DOR-LEASH replaces door chains. Tailgate, gas cap, Corvette hood locks and diesel fuel tank locks. All use tubular locks. Direct sourcing and import of Taiwan locks.

Zero International Inc.
415 Concord Ave.
Bronx, NY 10455
(718) 585-3230, (800) 635-5335
FAX: (718) 292-2243
Key Personnel: Elias Wexler, Pres.; Stephen Petko, Sales Mgr., Michael Gardner, Plant Mgr.
Zero was founded in 1924. Manufacturer of sealing systems for doors and windows, acoustical, smoke, light, air filtration, fire, handicapped. Manufacturer of saddles including traction tread and nosing. Manufacturer of Unigear continuous hinge.

NATIONAL
AUTO LOCK SERVICE, INC.

National Auto Lock Service, Inc. offers a wide range of equipment and services for the Automotive Locksmith. From tools and hard to find key blanks to transponder programming, we can take the mystery out of car service. We accept credit card orders, and can ship COD. Contact us for the latest in automotive technology.

www.laserkey.com

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Distributors

A A. Security Supply
85 Alpha Park
Cleveland, OH 44143-2228

Absolute Security
9510 Westpark
Houston, TX 77063
(713) 977-7233 (800) 880-0787
FAX: (713) 977-3373
Key Personnel: Terry Cox, Inventor, Marketing, Manufacturer
"If you need it, we conceive it." If you have a need, we resolve a solution. Specializing in, but not limited to, the security field. Products to date: most popular safe dial's with interchangable core; Medeco cylinder, also Medeco keyed plunger lock for showcases.
See ad on page 6

Access Safe & Supply Ltd
5035 N. Service Rd., D15
Burlington, Ontario, Canada
(705) 319-0355, (800) 268-9033
FAX: (705) 319-0366
Key personnel: Peter K. Gauthier, Pres.
Distributors of safes and vaults, safe tools, manuals, Strong Arm drill bits, drill rigs, scopes and educational classes.

Accredited Lock Supply Co.
1161 Paterson Plank Rd.
Secaucus, NJ 07094
(201) 865-5015
(800) 652-2835
FAX: (201) 865-5031
Key Personnel: Ron Weaver, Pres.; Richard Chokov, Nat'l Sales Mgr.
Distributor of locksmith supplies. Complete line of all suppliers. Free delivery of sales in the NY metropolitan area. Access control and other electronic supplies.

Ace Lock, The Security People
5964 Baum SquareBlvd.
Pittsburgh, PA 15206
(412) 363-3328
Key Personnel: Sandra Hunter, Pres., Jim Matthews, VP, Jim Jewell, Secy./Treas.
Distributors of Adams Rite, Arrow, Folger Adam, Medeco, Locknetics and others. Specializing in high security and electronic access control.

Ace Lock & Security Supply
565 Ramway Ave.
Union, NJ 07083
(908) 688-7666 (800) 524-1224
FAX: (908) 688-2442
Key Personnel: Daniel Golastein, Pres.; Robin Cherkes, VP, Star Capacy, Dir./Mktg./Sales
National distribution of major lock and electric access control supplies, including: Corbin/Russwin, Arrow, Yale, Ilco, Kwikset, Von Duprin, Locknetics, Securitron, Alarm Lock, Detex, LCN, Medeco, Stanley, Sargent, Marks, Folger Adam, DACS 2000, Master, American Padlock, Relu and more.
See ad on page 58

Acme Safe & Lock Service Co., Inc.
2412 Brazos
Houston, TX 77006-1699
(713) 522-0868, (800) 451-6561
FAX: (713) 522-5769
Key Personnel: Raney Richards, Gen. Mgr.; Ellen Richards, Inv. & Mktg.; Tim Richards, Sales Mgr.
A stocking distributor of every major brand of architectural and door hardware, electronics and locksmith supplies.

Acme Security Systems
1922 Republic Ave.
San Leandro, CA 94577
(800) 348-2263
FAX: (510) 483-4500
Key Personnel: Steve Harris, Pres., John Ream, VP; Bob Weishaar, Sales.
See ad on page 40

Acme-Southwest Lock Supply, Inc.
1308 N. 1st. St.
Bellaire, TX 77081
(713) 668-0022
FAX: (713) 359-ACME

Acme Wholesale Distributors, Inc. (An LSDA Company)
P.O. Drawer 13745
New Orleans, LA 70185
Local: (504) 837-7315
Long Distance: (800) 788-2263
FAX: (504) 837-7321
Branches: Houston, TX
San Antonio, TX
Ft. Worth, TX
Key Personnel: Eric Folse, Pres., Jay Denniss, Sales Mgr.; Wayne Hilliard, Mktg. Mgr.
Full line distributor of all major lock lines, locksmith supplies, safes, access control, automotive, and LSDA products. Dedicated to service and same day shipping from four locations: New Orleans, Houston, San Antonio, and Ft. Worth.

Acton Hardware, Inc.
3428 C Vane Ct.
Charlotte, NC 28206
(800) 662-6695
FAX: (704) 372-9224
Key Personnel: Brady Woody, GM; Janet Prescuch; Penny Winebaugh, Sales.
We are one of the largest wholesale distributors of Yale and H.B. Ives in the United States. We also stock Rixson, Adams-Rite, Kwikset, LCN, Mag, Norton, Rockwood, Simplex, Sass and Stanley. We ship until 6:00 Eastern time. Same day shipping on stock orders.

Adavco Security Products
3340 Tweedy Blvd.
South Gate, CA 90280
(800) 235-3159
FAX: (213) 564-9622
Key Personnel: Ralph Davidson
Wholesale keyblanks and key accessories; authorized distributor for A-1 Lock, Protek, Arrow, Valley Forge, Lucky Line, Silca, Sate Key Mfg. and Specialty Products Mfg. (cont.)

Adams Lock & Safe Co., Inc.
130 Hall St.
Concord, NH 03301
(800) 635-2228
FAX: (603) 226-4983
Key Personnel: David C. Holt

ADI
180 Michael Dr.
Syosset, NY 11791
(516) 921-6700
FAX: (516) 921-3577
Key Personnel: Leo A. Guthart, Chair.; Steve Roth, Pres.; Joseph Coppellett, VP Sales
ADI offers a complete line of security, CCTV, sound, fire and access control systems and components through its 76 branches in the U.S. and Canada.

William Aikenhead Door
& Hardware Ltd.
423 Comstock Rd.
Scarborough, Ontario, Canada M1L 2H4
(416) 755-3336
FAX: (800) 265-1100
Key Personnel: Dan Cook, Pres.; Les Eaton, VP; Dave Freeman, GM.
Authorized wholesale distributor of Sargent, Stanley, Canadian Builder's Hardware, LCN, Schlage, Von Duprin, as well as Unican products "in stock... in time." We spend our time saving you time.

Akron Hdw. Consultants
2579 S. Arlington Rd.
Akron, OH 44319
(800) 321-9602 (Nat'l.)
FAX: (800) 328-6070
Key Personnel: Kenneth E. Orner, Sales Mgr.
Western Branch:
2877 N. Nevada Ste. 120
Chandler, AZ 85225
(800) 457-9378 (Nat'l.)
FAX: (800) 457-8773
Akron Hardware Consultants is a full-line, specialized wholesale distributor of the following lines: Corbin Russwin Architectural Hardware, Adams Rite glass door hardware, Rixson architectural and fire/life-safety products, Norton door controls, CCL Security Products cabinet hardware, and Stanley Hardware hinges. Full line product mix including parts, cylinders, blanks and electrified hardware.

Alertco, Inc.
9003 Lincolnwood Dr.
Skokie, IL 60203
(708) 677-7492
Jim Higginbotham, Pres.
We are a distributor of bodyguard O.C. self-defense sprays at wholesale prices to dealers throughout the U.S. Our minimum order is $50, and we provide sales support materials to assist our dealers. All orders shipped UPS ground within 24 hours.

All Ware Distributing, Inc.
135 W. 2950 South
Salt Lake City, UT 84115
(801) 487-3227
(800) 453-6430
FAX: (801) 487-3254
Key Personnel: Jerry Zanderas, Pres.; Rob Acre, VP; Larry Clark, Mgr.
We are a complete line distributor of locksmith supplies. We also carry over 150 major lines of locks and supplies. We also rebuild key machines. Minimum order $25.00. We ship same day if called before noon.

Allegheny Lock Co., Inc.
2006-08 Cermon Ave.
Philadelphia, PA 19111
(215) 745-1217
Key Personnel: Bob Mastrangelo, Fred Pfeil, Eddie Pfeil, Sales Dept.
Medeco Security locks and keys-all levels. Same day service: shipping, keying and masterkey systems. Medeco keys our. Fast service on large quantity our specialty.

Allied Locksmith Supply
P.O. Box 3137
Youngstown, OH 44513
(216) 726-0860, (800) 544-2102
FAX: (216) 726-0865
Key Personnel: Rudy P. Wiesner, Pres.; Jim Dravec, Oper. Mgr.

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For over a decade, Allied has specialized in foreign and domestic auto locks and parts, carrying one of the most extensive inventories in the country. Our knowledgeable sales staff can assist you with all your Briggs & Stratton, Auto Security Products, All-Lock, Silca, Ilco, Pro-Lok, Continental Micro, HPC and other products.

Alno, Inc.
9725 Owensmouth Ave.
Chatsworth, CA 91311
(818) 882-6028
FAX: (818) 700-1540
Key Personnel: Jack Fase, Pres.; Jessica Alynn-Smith, Sec'y.; Stuart Klein, Products Inv.
Distributors for our own line of fine decorative hardware/bathroom accessories, switch plates, pulls, escutcheons, house numbers, all in brass or porcelain and distributors for Keuco, Giorgio, Chicago, Faucet, products lines.

Alpha Door Controls, Inc.
207 Sunset Blvd.
Sherman, TX 75090
(214) 868-0099
Key Personnel: Al Gilman, Pres.; Tracy Gilman, VP
Selling to locksmiths only. Safe drills, electrical components, card readers, electric strikes, Dexter locks, American padlocks, exit devices, kit type burglary alarms, etc.

American Lock & Supply, Inc.
4411 E. LaPalma Ave.
Anaheim, CA 92807
(714) 996-8882
(800) 854-8775 (Out of State)
FAX: (714) 579-3375
Key Personnel: Sean DeForrest, Pres.; Bill Power, VP-Sales; Rick Myers, Dir.-Mktg.
Eleven locations throughout U.S. $20 million plus inventory. All major lock lines. "Value-added services" designed to help our customers build their businesses.
See ad on page 7

Amos Lock & Key Supply Co.
2711 Cullen St.
Fort Worth, TX 76107
(817) 429-9441, (817) 335-5397,
(800) 772-7432
FAX: (817) 335-5399
Key Personnel: Amos Strange, Pres.

Anderson Lock Co.
1801 Oakton St.
Des Plaines, IL 60018
(708) 296-1157
FAX: (708) 296-9259
Key Personnel: Eugene R. Anderson, Pres.; Norman A. Anderson, V.P.; Michael H. Didier, Op. Mgr.
Outstanding customer service has been the key to success for Anderson Lock Company. We are a full service provider of locks, security products and door hardware. Anderson Lock is a family-owned and operated business with more than 10,000 items in stock in our showroom and warehouse.

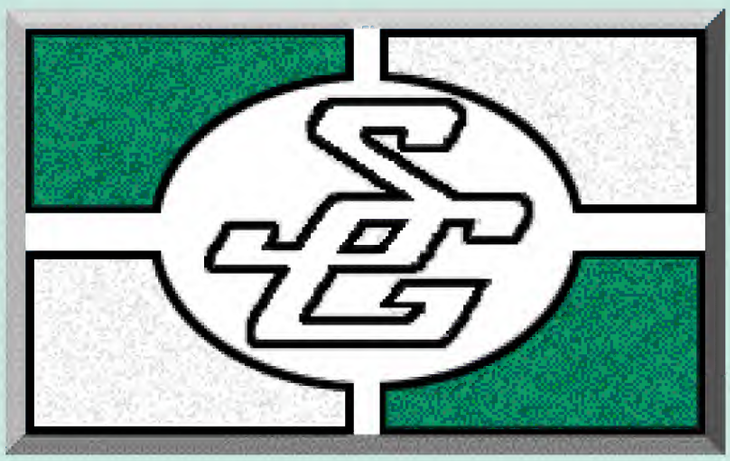
Andrew's Wholesale Lock Supply
544 South 9th St.
Lebanon, PA 17042
(800) 544-0519
FAX: (717) 274-8659
Key Personnel: Richard A. Rudy, (Andy) Owner, Pat Kreiser, Mgr.
A full line distributor of Briggs & Stratton and Auto Security products.
See ad on page 157

Apex Security Hardware Corp.
1201 36th Street
Brooklyn, NY 11218
(718) 438-2115 (NY),
(800) 232-1117 (Nat'l)
FAX: (718) 438-3327
Key Personnel: Eli Guth, Pres.
Apex Security, a distributor of most major lock lines since 1976, offers same day shipment at competitive prices. Some of the lines stocked by Apex include Arrow, Medeco, Kwikset, Folger Adam, Simplex, Detex, Master, Adams Rite, Securitron, Ilco, Marks, American, Norton, All Lock, ASP, Precision Hardware, and Amsec Safes.

Arista Sales Co., Inc.
27-24 Jackson Ave.
Long Island City, NY 11101
(718) 361-1040, (800) 221-1322
FAX: (718) 937-5794
Key Personnel: Len and Jules Rosenblatt, VPs.
Specializing in automotive security locks and alarms, locksmith supplies for over 50 years. Full stocking distributor in Briggs & Stratton, All-Lock, Auto Security Products, Arrow, Segal, American, Master, Detex, HPC, Star Key Blanks, Ambassador Safes, Ilco, Medeco and Fichet, and other specialty items. Service is our business.

Arius
959 Concord St.
Framingham, MA 01701
(800) 432-3232
FAX: (508) 872-3528
Wide range of products for CCTV, Access Control, burglary/fire detection and prevention systems. Competitive prices, convenient locations, and services, such as leasing, technical assistance, etc.

Armstrong's Lock & Supply, Inc. (An LSDA Company)
1440 Dutch Valley Place, NE
Atlanta, GA 30324
Atlanta, GA
(404) 875-0136, (800) 726-3332
FAX: (404) 888-0834, (800) 998-1733
Miami, FL
(305) 651-1598, (800) 827-3332
Continued on page 81



Make Sargent & Greenleaf's Comptronic locks your choice for electronic safe locking solutions.

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ARMSTRONGS

Continued from page 79

FAX: (305) 652-1709
Tampa, FL
(813) 886-8007, (800) 829-3332
FAX: (813) 886-5696
Norfolk, VA
(804) 853-0611, (800) 735-3334
FAX: (804) 853-1832
Key Personnel: D. Virl Mullins, Pres., Wade Mullins, VP; Sam Cox, Gen. Sales Mgr.
Full line distributors of locksmith supplies, electrical devices, safes, automotive, locks and various other security products. Miami branch: 1766 N.E., 205th Terrace, No. Miami Beach, FL 33179. Tampa branch: 5507 Pioneer Park Blvd., Bldg. B, Tampa, FL 33614. Norfolk branch: 1333 B-C Azalea Garden Rd., Norfolk, VA 23502

Associated Lock & Supply
2552 Barnet Hwy.
Port Moody, BC V3H 1W3
(604) 461-1622, (800) 663-1231
FAX: (604) 461-3129

Autotech Accessories, Inc.
P.O. Box 596, Fort Hamilton Sta.
Brooklyn, NY 11209
(718) 680-8901
FAX: (718) 833-0695
Key Personnel: Jerry Petrino, Pres.; Edward Schwartz, VP-Sales/Mktg.; Anita Krutsen, Office Mgr.
Distributor of automotive antitheft systems and other automotive items. Exclusive USA distributor of Lasso Lock and C-Block Cassette Lock for the prevention of car radio theft.

B.B.W. Distributors Inc.
270 Jackson Ave.
Bronx, NY 10454
(212) 993-4322, (800) 252-7766
FAX: (212) 402-4918
Key Personnel: Robert Reiss, Pres., Issac Stern, VP/GM
Same day shipment, vertical horizontal and pedestal, mailboxes, locks and parts. Up to 10" face plate mortise locks, Norton closers, precision, kickplates, push and pull plates, door stops and holders. Up to 7" spring hinge in stock, chimes, concept, Detex removable core, electric strikes, high security locks, Markar, American, Master, Arrow, Donjo keyblanks, drill bits.

B.J. Safes, Inc.
1882 S. Elmhurst Rd.
Mt. Prospect, IL 60056
(708) 437-1249, (800) BJ8-SAFE
FAX: (708) 981-1221
Key Personnel: TAi H. Cho, Pres.; Tom Kandl, Acct. Rep.; Bob Kulikowski, Sales Rep.

Barry Supply Co.
Division of Barry Industries, Inc.
36 West 17th St.
New York, NY 10011
(212) 242-5200
FAX: (212) 675-7094
Key Personnel: B. Weir, Sales; W. Wein, Purch.
Barry Supply Co. has been in business over 30 years. The company specializes in the manufacture and distribution of window and door hardware for replacement. Customer base is world wide. Samples are required for correct matching.

Bell's Security Sales, Inc.
411 Bloomfield Ave.
Bloomfield, NJ 07003-4832
(800) 772-2266
FAX: (201) 743-6357
Bell's represents and stocks over 100 manufacturers' lines of locksmith supplies and equipment, door hardware, window hardware, electronic and magnetic locking devices, closers, card readers, keyblanks and HPC, ILCO and Silca key machines. Orders in by 2:00 pm are shipped UPS that day.
See ad on page 37

Berg Wholesale Inc.
West Coast Warehouse
P.O. Box 29169
Portland, OR 97229
(800) 243-8887
FAX: (800) 343-0937
Key Personnel: Ken Pederson, Kent Hammond, John Dersch, Nat'l Service Reps.
East Coast Warehouse
374 Explorer's Cove
Altamonte Springs, FL 32701
(800) 582-8107
FAX: (800) 582-8180
Key Personnel: John Blough, Gen. Mgr.; Steve Dean, Outside Sales Rep.
Same day shipment. Kwikset, Russwin, Corbin. Discount pricing. Cylindrical mortise, lever x lever locks, closers, panic devices, deadbolts, cylinders, keyblanks, and special keyways. Masterkeying and construction keying done quickly. Miscellaneous door hardware, decorative hardware.

BISM, Inc.
20529 Old Cutler Rd.
Miami, FL 33189
(305) 251-0295
FAX: (305) 251-0035
Key Personnel: Irene Wickward, Pres., Bill Wickward, VP
Importers of SEYMA high security equipment of Costa Rica. Seyma manufactures safes for home and office use, with two hours fire rated. They also manufacture UL high security safes TL30 through TRTL30x6 and a hotel safe which you open with your personal credit card. BISM also represents National Security Safe Co. in Utah.

Blaydes Lock Co. Inc.
2335 18th St., N.E.
Washington, D.C. 20018
(202) 832-7100, (800) 424-2650
FAX: (202) 832-1359
Key Personnel: Edward J. Hildebrand, Pres., Tom Rakes, VP; Bob Chanin, Sales Mgr.
Mid-Atlantic area's professional security hardware supplier since 1954.
See ad on page 167

Blue Dog
P.O. Box 195429
Winter Springs, FL 32719-5429
800-248-2887
FAX: 407-774-6054
Key Personnel: Liam Gribben, Owner
The single most reliable source of keyblanks in the world.

Boston Lock & Safe Co., Inc.
30 Lincoln St.
Brighton, MA 02135
(617) 787-3400, (800) 252-5757
FAX: (617) 787-3425
Key Personnel: David J. Stora, Pres.; James C. Condi, VP; J. Norbert Bartholomew, VP.
We stock for immediate shipment one of the largest selections of Falcon, Baldwin, Medeco, Simplex and CCTV equipment. We also stock a large selection of S & G safe locks, ISM, Amsec, Gardall, Steelage and New England safes for immediate shipment. Call about our fast in-house master key system service for Falcon ICC.
See ad on page 79

Brady Office Machine Security
11056 S. Bell Ave.
Chicago, IL 60643
800-326-8349
Key Personnel: Bernadette Brady, Pres.; Don Brady, VP
Universal security devices designed to prevent theft of computer equipment and peripherals, all office equipment, fax machines, microwaves, TVs, VCRs and similar equipment. We also have power switch and floppy drive locks, electronic keyboard lockouts, and data protection.

Boyle & Chase, Inc.
72 Sharp St.
Hingham, MA 02043
(800) 462-6240 (MA),
(800) 325-2530 (Nat'l)
FAX: (617) 335-5342
See ads on pages 51, 53, 55, 57

Bulldog Enterprises
469 Warner Hall Place, Suite 107
Newport News, VA 23602
(804) 877-7092
FAX: (804) 877-3187
Bob Malloy, Owner/Pres.
Independent distributor for QUORUM product line of products. Low cost, user installed and high profit security systems that can increase your sales. No installation required or special licenses or permits needed in most states. Perfect for mobile locksmiths who want to increase revenue.

C&M Tool
4418 Eggers Dr.
Fremont, CA 94536
(510) 792-6613
Key Personnel: Carl Martini
Manufacturer and distributor of the sliding patio door fastener.

Canada Lock Products
(An LSDA Company)
70 Floral Pkwy.
Toronto, Ont. M6L 2C1
(416) 248-LOCK (5625)
(800) 387-7755 (Canada only)
FAX: (416) 248-9945 (sales)
(416) 248-8954 (purchasing)
Key Personnel: Jack Laufer, Pres.; Steve Dyson, GM, Steve Wittenberg, Sales Mgr.
Wholesale distributor for major security hardware manufactures for over 50 years. Specializing in sales, access control, electrical hardware, exit devices, auto locks, high security hardware, key blanks, door closers, locksmith tools and supplies and door hardware. Offering prompt service throughout Canada.

Coola & Co.
2 Crossroads Dr.
Trenton, NJ 08691
(609) 599-9504

Capitol Lock & Hardware Co., Inc.
3730 Georgia Ave., NW
Washington, DC 20010
(202) 882-9502
Key Personnel: W. Schlegel, Pres., B. Dillon, Mgr., M. Bernard, Sales
Full line distributor of locks, keys, key machines, high security padlocks, combination locks, electronic access controls. One of the largest stocks of locks and key blanks on the East Coast. Ship most orders from stock. Specialize in high security devices of all kinds. Ship worldwide, gives us a call.

Central Lock & Hardware Supply Co.
95 NW 166th St.
Miami, FL 33169
(305) 947-4853, (800) 677-4549
FAX: (305) 949-8945
Key Personnel: Betty Ross, Svc.; Steve Neuman, Dir. Sales; Judy Koopelman, US Sales Rep. Mgr.

City Intercoms, Inc.
16356 Alexander Run
Jupiter, FL 33478-8282
(800) 248-9468
FAX: (407) 743-4456
Key Personnel: Elliot S. Sashe, VP
Stocking Distributors for: Aiphone Intercom Systems, Marlee Electronic (Entraguard), TekTone Sound & Signal (Intercom Products), West Penn Wire.

Continued on next page

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Continued from previous page

City Lock Supply
2900 E Valmont Rd.
Boulder, CO 80301
(303) 444-4407
FAX: (303) 442-8380
Key Personnel: Jeffrey Rosen, Pres.
Factory distributor of: Silca key machines and keyblanks, Porter Cable mortising machine and power tool line, Marks institutional and decorative door hardware, Keypunch key machine, hospitality specialties.

Clark Security Products
7140 Engineer Rd
San Diego, CA 92111
(619) 565-7140 (San Diego, CA);
(303) 375-9200 (Denver, CO)
(602) 275-4431 (Phoenix, AZ);
(916) 372-6630 (Sacramento, CA)
(206) 467-3000 (Seattle, WA)
(301) 431-7100 (Lanham, MD)
Key Personnel: Marshall Merrifield, Pres
Clark Security is a wholesale distributor of door hardware and locksmith supplies. Clark stocks over 25,000 items from more than 250 manufacturers. Clark guarantees 100% same day shipment of all orders called in by 5 p.m. and call backs on all shorts.

Colonial Lock Supply Co., Inc
7000-G Newington Rd
P.O. Box 1417
Newington, VA 22122
(703) 550-077 (800) 732-9117
FAX: (703) 550-8857
Key Personnel: Gary Balaino, GM; Don Dossing, Sales.
Supplying: Ilco, Yale, Rutherford Controls, Amsec, American Padlock, ASSA, Falcon, Arrow, DOM and much more.

Commonwealth Lock Co
1853 Mass. Ave.
Cambridge, MA 02140
(617) 876-3301
FAX: (617) 661-3168
Key Personnel: Edward A. Mayer, Pres./Treas.
We specialize in lock hardware.

Cook's Building Specialties, Inc.
2441 Menaul Blvd., N.E. 87107
P.O. Box 37320
Albuquerque, NM 87176-7320
(505) 883-5701
FAX: (505) 883-5704
Key personnel: Pat Mares, Purch. Agt., Max Mallory, Purch. Agt.

Cook's Supply Inc.
(An LSDA Company)
4770 Fox St., Unit 13
Denver, CO 80216
(303) 294-0567 (Local)
(800) 445-4008 (Rocky Mtn, Plain States)
FAX: (303) 292-4569
Key Personnel: Jack Dunn, GM; Denise Higney, Office Mgr.
Distributor of locksmith supplies and equipment, as well as various other security products. Same day shipping with great personalized service and competitive pricing. Our motto "No job too big, no locksmith too small." We know that satisfaction and service are important to you. Let's continue growing together. We thank you.

Craftmaster Hardware Co. Inc.
134 Liberty St.
Hackensack, NJ 07601
(800) 221-3212, (201) 646-9355
FAX: (201) 646-0181
Key Personnel: Michael Springela, Pres.; Anthony Cani, VP Sales.
Stocking distributor of Arrow, HPC, Ilco, Kwikset, Schlage, Star and most major lines. Specializing in all types of key blanks for over 35 years. Offering the level of service only available from a third generation family owned business.

D&H Distributing Co.
2525 N. 7th St.
Harrisburg, PA 17110
(800) 877-1200
FAX: (717) 255-7838
Key Personnel: Douglas Byrne, Div. Mgr.
Over 70 years of distribution experience. Nine locations serving the entire U.S.A. Full stocking distributor of over 30 major brands of security, fire, CCTV, intercoms access control, and magnetic locking devices.

Diebold, Inc.
3320 Gilchrist Rd.
Mogadore, OH 44260
(216) 798-5625
Key Personnel: John Boyalian, Dir.
Trade names-Banklock.

DiMark International
3117 Liberator - Unit A
Santa Maria, CA 93455
(800) 235-2435
FAX: (805) 928-8034
Key Personnel: Mark Pirman/Diane Pirman
Factory representatives for Barkey key machines and blanks, as well as other European manufacturers. Security boxes, key control, tools and assorted locksmith needs. Lines include ESP, HPC, LuckyLine, Keedex, Major Mfg., Pro-Lok, All-Lock, ASP, Valley Forge, Vel-Key and others. Service area covers U.S., Canada and Europe.
See ad on page 147

Direct Safety Co.
7815 South 46th St.
Phoenix, AZ 85044
(602) 978-7009, (800) 528-7405
FAX: (800) 366-9662
Key Personnel: Patrick Acton, Mktg. Mgr.; Tom Reine, Product Mgr.
Direct Safety Company is a national catalog distributor of safety equipment to business and industry. Catalogs feature alarms, barricades, communication equipment, lighting, mirrors, signs and more.

Door Hardware Distributors, Inc
318 North Milwaukee St.
Milwaukee, WI, 53202
(800) 829-8905
FAX: (414) 291-5687
Key Personnel: Deborah J. Pokrass, Pres.; Andrew S. Pokrass, V.P. Oper.
Door Hardware Distributors, Inc. is a full Master Door Lock as well as other manufacturers' door hardware and security locking devices stocking distributor. Trim Hardware, Locksets Designer Hardware and related door hardware items are in stock or available from our Midwest Facility. Call today for the Door Hardware you need tomorrow!

Doormark Inc.
2519 South Blvd.
Houston, TX 77098
(713) 526-8780
FAX: (713) 526-9270
Key Personnel: Peter T. Sereberenik, Pres.; Barbara Kretzschmar, Off. Mgr.
Doormark, Inc. is the North American distributor for Wilhelm Grundmann Rohrbach. This 100 year old Austrian firm specializes in door locks, fittings and hardware. The hardware is available in a variety of designs and finishes and fits both interior and exterior applications including their vault-like security locks.

Doyle Lock Supply, Inc.
2211 West River Road North
Minneapolis, MN 55411
(612) 521-6226
(800) 33-DOYLE, (800) 333-6953
FAX: (612) 521-0166
Key Personnel: Robert Hromacko, Pres.; Paul Justen, GM; John Wolter, Purchasing Mgr.
Full line distribuor of major lines such as Schlage, Weiser, Kwikset, Norton, ICN, Von Duprin, AMSEC, Gardall, and 100 other product lines. ADA compliant hardware a specialty.

DRK Specialties
Keyrings & Things
5671 Sonoma Dr., Ste. #B
Pleasanton, CA 94566
(800) 654-1850
FAX: (510) 417-8885
Key Personnel: Don R. Kuhn, Owner/Pres.; Gloria Kuhn, Ofc. Mgr.; Kelly Duran, Withs. Mgr.
DRK Specialties is the complete key accessory source for locksmiths seeking the latest key rings and innovations. Current best sellers are the versatile Sur Loc key ring assortment, Hide-A-Rocks, squeeze Lites and auto logo key rings. Distributor for Lucky Line, Peebee, ESP, Wet Winds, Calif. Safe Cans and others.

Dugmore & Duncan, Inc.
30 Pond Park Rd.
Hingham, MA 02043
(800) 225-1595
FAX: (617) 740-4043
Key Personnel: Tom Fuery, Br. Mgr.

D & D of FL
3222 Reynolds Rd
Lakeland, FL 33803
(800) 232-1595
FAX: (813) 666-5226
Key Personnel: Gene Lavoie, Br Mgr.

D & D of CA
9251 Orco Pkwy.
Riverside, CA 92509
(800) 325-1595
FAX: (909) 360-0572
Key Personnel: Skip Reid, Br. Mgr.
Sargent Lock full line stocking distributor. Extensive inventory. For immediate delivery. No minimum order required. Also stocking Yale, Dom-Jo, MultiLock & Simplex 1000 Series.

C.H. Edwards, Inc
P.O. Box 775
Hwy. 11 South
Greenville, NC 27834
(800) 334-3642 (USA)
(919) 756-8500 (NC)
All stock items shipped within 24 hours after order is placed. Inquire about current sale items.

Electric Lock Supply
8335 S. Hindry Ave.
Los Angeles, CA 90045
(800) 858-1726
FAX: (310) 568-1507
Key Personnel: Kenneth Strait, Pres.; Brian Gordon, Sales Mgr.; Dave Hutchison, Sales/Tech Support
Wholesale distribution consultation to the access control trade. Stocking: Adams Rite, Alarm Controls, Edwards, Folger Adam, F-Systems, GRI, Linear, Microwave Sensors, Microstate Electronics, Modern Electronics, Monthard, Securitron, Security Door Controls, PowerSonic, Ratu, Trine, Alarm Lock, Stanley, Transcience, KeeCo., MooreOmatic, Essex, Marlok, Select, Oregon Scientific, Optex, Locknetics, International, Dorado, and Altronix.
See ad on page 167

ElJay Express
P.O. Box 1388
Wheeling, IL 60090
(708) 480-1311, (800) 432-1311
FAX: (708) 272-9249
Key Personnel: Jackie Ripes, Mgr.
Large stocking distributor for Arrow Locksets, Dorma Door Closers, Hager Hinges, Ives and H.E.S. Electric Strikes.
See ad on page 100

Continued on page 84

Click on border to view new company or issue

Continued from page 82

Empire Security Supplies
4600 B Nesconset Hwy.
Port Jefferson Station, NY 11776
(516) 928-1919
FAX: (516) 928-4745
Key Personnel: Ira Levine, Pres.; Bob Gorman, Sales Mgr.
Empire Security Supplies is a young and rapidly growing distributor of locksmith and hardware supplies. We have been in business for seven years, and are constantly expanding our line of manufacturers' products. We are one of the largest wholesale distributors on Long Island, New York. We believe in personalized service and quality merchandise.

Enixus Trade, Ltd.
34 Dunkirk Rd.
St. Catharines, Ont. Canada L2R 1A1
(905) 682-3086
FAX: (905) 682-4744
Key Personnel: George Papaiz, Bruno Papaiz, Directors.
Enixus Trade, Ltd., is a St. Catharines based company situated within one day's trucking to 56 percent of the North American manufacturing market. It stocks and distributes ENIXUS solid brass padlocks, furniture locks, and mortise cylinders. It enjoys a reputation for quality and fast service throughout the industry.

Entry Systems
65 High Ridge Road, #212
Stamford, Ct. 06905
(203) 327-0771
Key Personnel: Christopher Reulbach, Owner
6' super jimmy-designed to reach across the front seat of any car without a frame around the window (coupes), and operate electric or manual lock buttons. Splits in half for storage! Full line of lockout tools available.
See ad on page 18

Ewert Wholesale Hardware Inc.
4709 W. 120th St.
Alsip, IL 60658
(800) 451-0200, (708) 597-0059
FAX: (708) 597-0881
Key Personnel: Brian King, Sales; Wes McKenney, Sales; Clelia King, Acct. Rec
Ewert Hardware has added the Russwin line to our inventory. We will be supporting both Corbin and Russwin for the locksmith industry.

Express Hardware
1203 S. Northwest Hwy
Barrington, IL 60010
(800) 323-7447
FAX: (708) 381-7199
Key Personnel: Steve Yellin, Pres.
Express Hardware is a full line supplier of Schlage, Von Duprin, Baldwin, Norton and Hager products

Fairway Supply Inc
4303 Dacoma
Houston , TX 77092
(713) 957-2160
WATS: (800) 767-FAIR
FAX: (713) 957-2122
Key Personnel: Don Bradford, Pres.; Bob Conley, VP; Rick Gummelt, VP

Fastrack Hardware, Inc.
3655 North 126th St.
Brookfield, WI 53005
(800) 458-8707
FAX: (414) 781-4232
Key Personnel: Paul Federspiel, Cust. Svc.
Full line distributor of Yale products. Yale locks, keyblanks and cylinder plugs in stock for immediate shipment. If you need Yale fast, get on the right track with Fastrack Hardware, Inc.

Foley Belsaw Co.
Locksmith Division
6301 Equitable Rd.
Kansas City, MO 64120
(800) 821-3452 (orders only)
(816) 483-2700 (cust. svc.)

Fortress Safe & Lock
336 Northland Blvd.
Cincinnati, OH 45246
(513) 772-4392, (800) 562-0295

Fradon Lock Co., Inc.
467 Burnet Ave.
Syracuse, NY 13203
(315) 472-6988, (800) 447-0591 (E)
Key Personnel: Don Rapp, Pres.; Frank Sweet, VP; Hope Tucker, Sale Sales
We concentrate primarily on safes, safe parts, safe moving equipment and automotive locks. Full-line stocking distributors of Amsec, Gardall, Sentry, Silica Gel, ESP, ASP, Briggs & Stratton, & Tech Train. No minimum orders required.

Fried Bros. Inc.
467 N. 7th St.
Philadelphia, PA 19123
(800) 523-2924 (Nat'l.) (800) 525-3131 (West)
FAX: 215-523-1255
Key Personnel: Alex Ebrahimzadeh, Pres.
Fried Bros. Inc. was established in 1922 and we presently supply the locksmiths nationwide from our two warehouses in Philadelphia and Phoenix, Arizona. We offer same day shipping on a full range of in-stock items, including locks, padlocks, key blanks and machines, door closers, exit devices, safes, mail boxes and ADA approved hardware.

Garden State Hardware Wholesalers
322-324 W. Front St.
Plainfield, NJ 07060
(908) 753-1343 (In NJ)
(800) 544-0616 (outside NJ)
FAX: (908) 753-2040

Grace's Wholesale & Supply Div.
214 East 2 St
Hastings, NE 68901-5217 USA
(402) 462-2737 (1-9 PM CT)
Key Personnel: H. Roger Grace, Prop.
CCL Security Products, Circle-Ess key machines, Ilco Lock Co. products, LAB pins and kits, locks, parts, key blanks and tools stocked. Also, new and resharpened cutters. Resharpened cutters on exchange basis or outright sale

R.A. Graham Co., Inc.
70 James St.
Worcester, MA 01603
(508) 755-5815, (800) 333-3933
FAX: (508) 755-6584
R.A. Graham Co. is a full stocking distributor of Brassworks by KABA solid brass designer door hardware. They also stock Baldwin, Schlage, Kwikset, Weiser, Dexter, Ives, Master, Monarch, Norton, Stanley, Don-Jo, Gainsborough, Weslock, along with many other manufacturers.
See ad on pages 66, 67, 68

Grandview Hardware Co.
525 W. Seneca St.
Ithaca, NY 14850
(607) 273-0526
Distributors of Baldwin mortise locks and decorative hardware.

Granite Hardware Corp.
P.O. Box 518
Moneta, VA 24121
(703) 297-1808
FAX: (703) 297-1194
Key Personnel: David B. Colburn, President; Pamela J. Colburn, Sec./Treas.
Lever handle locksets (mortise or cylindrical); Removal core products; All-brands of levels, spindles and trim parts; Master key system and key blanks; Products supplied in all Manufacturers standard keyways; Hard to find replacement parts for most brands.

Great Lakes Lock Distributors
2310 State St.
Erie, PA 16503
(814) 459-0546, (Local)
(800) 543-8837
FAX: (814) 456-1542
Key Personnel: John Carneval, Owner; John Carneval, Jr., GM; John Carneval, Sales
We represent over 30 manufacturers including: Abus, Detex, ESP, ICN, Lori, Master, Medeco, Monarch and Precision. Our Medeco inventory includes commercial as well as biaxial keyways. We can provide masterkey systems cut keys and keying. We accept Visa and Mastercard and our minimum order is only $10.00.

H & H Lock & Security Wholesalers
9140 Gaither Rd.
Gaithersburg, MD 20877
(301) 948-1996
FAX: (301) 948-5265
See ad on page 174

H. Hoffman Co. (An LSDA Company)
7330 W. Montrose Ave.
Chicago, IL 60634
(708) 456-9600 (Local)
(800) 323-1918 (Midwest)
H. Hoffman Co. Distribution Centers:
Chicago (Downtown), IL
(800) 229-8249
Cincinnati, OH
(800) 457-3963
Cleveland, OH
(800) 247-8217
Indianapolis, IN
(800) 428-9313
Kansas City, KS
(800) 526-5897
Milwaukee, WI
(800) 882-9899
St. Louis, MO
(800) 392-1303
Key Personnel: Al Hoffman, Pres.; Dick Lux, Sales Mgr.; Karen Hoffman Kahl, Operations Mgr.
H. Hoffman, the "House of Locks" has over 60 years experience as a distributor of a full line of security hardware and related products, i.e. locksmith supplies, safes, electronic controls, novelty items, etc., enjoying a reputation built on quality services. Same day shipping, selling catalog, monthly flyers, competitively priced serving mid-America.

H.S. & S. Wholesale Distributor of Lock Hardware
12915 W. 8 Mile
Detroit, MI 48235
(800) 521-2202, (800) 482-3000 (MI)
FAX: (313) 342-7580
Key Personnel: Michael Solomon, Pres.; Neil Cronk, Sales Mgr.

Hardware Agencies Ltd.
1220 Dundas St. East
Toronto, Ontario Canada M4M 1S3
(416) 462-1919, (800) 268-6741
Key Personnel: James Roberts, Mktg. Mgr.; Paul Halberstadt, Pres.
Full line locksmith supplier. Lock and door hardware, key blanks, key machines, locksmith tools and equipment, high security lock lines, padlocks. The Company with the most of the best.

Hardware Sales & Supply
(An LSDA Company)
35950 Industrial Rd.
Livonia, MI 48150
(800) 837-5625
FAX: (800) 272-4409
Key Personnel: Arnie Goldman, Pres.; Ken Heeren, Sales. Mgr.; Fred Strasberger, Mkt. Mgr.
Hardware Sales & Supply has been a locksmith supplier since 1925. Serving the Midwest from three locations in Detroit and Pittsburgh.

Click on border to view new company or issue

Hardware Sales sells and services the LSDA product line as well as over 100 other manufacturer product lines. The HS team is your key to security hardware.

Hardware Specialties, Inc.
R.D. 2, Box 28A
Dubois, PA 15801
(814) 371-8694
FAX: (814) 371-0590

Hardware Suppliers of America, Inc.
213 Mill St.
Winterville, NC 28590
(800) 334-5625 (NC),
(800) 334-5625 (TX),
(800) 282-8499 (FL),
(800) 358-6016 (GA),
(800) 334-5625 (OH)
(800) 334-5625 (CA)
FAX: (800) 334-5635
Key Personnel: Francis Casey, Pres.; Schlage locks, parts and accessories; Master locks and parts; Baldwin products, H.B. Ives products; Monarch panic devices; Norton Closers; Rixson Firemark products; Simplex push-button locks; Major Metalfab key cabinets; Hager and McKinney hinges; Ryton key cutters; Falcon locks and parts; Alarm Lock.

Helen's Keys & Locks
1145 St. Jude Dr.
Schenectady, NY 12303-3372
(518) 355-7000
Key Personnel: Donald E. Frier, Asst.
Locksmith supplies, wholesale only. Catalog available! We sell to all 48 Continental States. In Business over 20 years! Carry STAR KEYS!

House of Security
151 E. Fifth
Columbus, OH 43201
(614) 291-7715
FAX: (614) 299-0872
Key Personnel: Carl Ziaf, Tom Ziaf, Scott Basham.
House of Security is a wholesale distributor, in business since 1972. We carry a large selection of Schlage, Falcon, Medeco, PHI Panic Bars and a lot more.

Howard Mfg. Co.
5996 S. Crocker St.
Littleton, CO 80120-2054
(303) 794-2510
FAX: (303) 794-3703
Key Personnel: Tito Howard, Pres.
HMC supplies two door pressure gauges to measure door function and comply with ADA requirements. The "DPG" measures force from 0 to 35 lbs. and the "U237X" measures door opening/closing force from 0 to 7 lbs.

Independent Hardware Inc.
14 S. Front St.
Philadelphia, PA 19106
(215) 925-5306, (800) 346-9464
FAX: (215) 922-6552
Key Personnel: Frank Stanco, Pres.; Vincent Campagna, VP
Stocking wholesale distributor of Schlage, Kwikset, Dexter, Corbin, Norton, Master, Yale, Von Duprin, Adams Rite, Arrow, Ilco, National, Folger Adam, Sargent, Simplex, Chicago, Dorma, Bommer, Alarm Lock, Lab, Lori, Rixon, Quincy, Seidle, Russwin, Locknetics hinges. Centrally located in Philadelphia. We offer same day shipping.

Integrated Ventures Springs, Components, & Devices
312 Ohio Ave.
Cincinnati, OH 45215
(513) 761-5780, (513) 648-2536
Key Personnel: Toby Stafford, Operations Leader.
Spring assortments and spring replacement kits for specific product applications. Porter spring winding outfits for locksmiths and Badger safe moving equipment (1,500-5,000 pound lift capacities). Badger brake kits for two wheel hand trucks. Other products include the superstacker spring assortment, rebuild kit for Russwin forum latches, free catalog.

Instant Hardware Delivery
12321-B Wilkins Ave.
Rockville, MD 20852
(800) 437-5837 (Nat'l),
(800) 492-6805 (MD),
(301) 231-5020
FAX: (301) 279-7913
Key Personnel: Beverly Vigue, VP; Jayme Wilburn, Sales Rep.; Kenneth Domurat, Sales
I.H.D. is an established wholesale distributor center located in Rockville, MD supplying exclusively to contract houses, suppliers and locksmiths. We represent three manufactured lines of commercial/residential hardware, namely Schalge, Von Duprin and Valli and Colombo.

Intermountain Lock & Supply
3106 S. Main
P.O. Box 65158
Salt Lake City, UT 84115
(801) 486-0079, (UT),
(800) 453-5386 (US)
FAX: (801) 485-7205
Key Personnel: Jay Hickenlooper, Pres.; Bob Steinman, Vice President and Sales Mgr.

International Door Closers, Inc.
East: 1920 Air Lane Dr.
Nashville, TN 37210
(615) 885-7060
(800) 225-6737
FAX: (615) 885-0903
West: 1140 North Kraemer Pl.
Anaheim, CA 92806
(714) 666-0390
(800) 544-4422
FAX: (714) 666-2215

Continued on next page

SRi
SECURITY
RESOURCES INC.

SRi and Steve Young are working together to bring you the best in locksmith tools and supplies.

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INT'L. DOOR CLOSERS

Continued from previous page

Key Personnel: Kenneth T. Yamato, Pres.; David Minton, Gen. Mgr.
International has been supplying the industry with hydraulic door controls and related hardware for over a quarter of a century. Surface applied door closers, overhead concealed door closers, and storefront door hardware are available from distribution facilities in Anaheim, California and Nashville, Tennessee.

Island Pacific Distributors, Inc.
1668 King St.
P.O. Box 22189
Honolulu, HI 96822
(808) 955-1126
FAX: (808) 946-6480
Key Personnel: Leon Wolfley, Pres.; Barbara Wolfley, VP
Founded in 1978, full line distributor of locksmith supplies and builders hardware. Also, large designer hardware and bath fixtures.

J & J Distributors
1028 Donaldson
San Antonio, TX 78228
(512) 734-6165
FAX: (512) 735-2248
Key Personnel: Joe Sulsar, Owner.
Established 1965 - Locks and Locksmith Supplies - Abloy, Adams Rite, All Lock, Chicago Lock Co., Don-Jo Mfg., Falcon, HPC, Ilco Key Machines, Ilco keyblanks, Lori Corp., Master Lock, MAG, National Cabinet Lock, Rytan, Schlage, Silca Key Machines, Silca keyblanks, Weiser, Yale.

JLM Wholesale, Inc.
3095 Mullins Ct.
Oxford, MI 48371
(800) 522-2940
FAX: (800) 782-1160
Key Personnel: Ray Baldwin, GM; Kenn Andridge, Sales Eng.; Jan Mirku, Pres.
We have in stock for immediate delivery Folger Adams, LCN Closers, Locknetics Security Engineering, Roton Hinges, Von Duprin, Adams Rite, Security Door Controls and Glynn Johnson products. Help with application is available from our consultants. Most orders are shipped same day as received.
See ad on page 154

Hans Johnsen Co.
8901 Chancellor Row
Dallas, TX 75247
(800) 678-1560, (214) 879-1500
FAX: (214) 879-1530
Key Personnel: Howard H. Johnsen, Pres.; Saul Espinoza, VP-Lock; Edward Ibarra, Mktg.

A.T. Jones & Son
1456 Broadway
Detroit, MI 48226
(313) 965-1455
FAX: (313) 965-1093
Key Personnel: John Dunn, Rick Sowinski
A.T. Jones & Son serving the locksmith since 1904. Representing AdamsRite, Arrow, Baldwin, Chicago, Corbin Cabinet, P&F Corbin, Detex, Dexter, Don-Jo, Folger Adam, Glynn Johnson, Hager, HPC, Ilco, Illinois, LCN, Master, Medeco, National Lock, National Guard, Rixson, Rolu, Sargent, Schlage.

Jo-Von Distributors
929 Warden Ave.
Scarborough, Ontario Canada, M1L 4C6
(416) 752-7210, (800) 268-5731
FAX: (416) 752-3845
Key Personnel: Leonard J. Passarella, CPL., Pres.
Your one-stop distributor. Fast, reliable service. USCAN distributor.

K & K Lock and Supply, Inc
20 N. Central Ave.
Upland, CA 91786
(909) 920-0023 (800) 233-7772
FAX: (909) 920-0402
Wholesale distributing of locksmith tools and supplies, security hardware and builders hardware, auto locks and full line of lock hardware.

K-DL Hardware Supply Inc.
1621 8th Ave
Seattle, WA 98101
(206) 682-7383
KDL Hardware Supply Inc. has been in the security hardware business since 1919. We distribute products from over 200 manufacturers. In 1985, we joined the "USCAN" distribution network which provides the opportunity to purchase at most competitive pricing. Competitive pricing and great service have been KDL trade marks.

Kenco Supply Co.
2531 North 85th St.
Omaha, NE 68134
(800) 228-2266, (402) 397-8291
FAX: (800) 228-4175
Key Personnel: Charles Kent, Pres.; Robert Kent, VP; Steve Thillander, Warehouse Mgr.
At Kenco, we offer a free catalog just a phone call away. We also have no minimum order and we are a full line distributor offering 12,000 different items. At Kenco your satisfaction is our most important goal. Kenco, where we haven't forgotten that service is important.
See ad on page 132

Key Hardware Co.
Div. of Robert Skeels & Co.
3243 San Fernando Rd.
Los Angeles, CA 90065

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SCHWAB CORP.
Fire protection for your vital records.

It's not safe unless it's Schwab Safe.

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KEY HARDWARE

Continued from page 86

(310) 639-7240
FAX: (310) 639-7569
Key Personnel: Lester Jordan, Pres., Kenneth Jordan, Vice Pres.
Serving the locksmith industry for more than 70 years.

Key Mart Inc.
3171 S.E. Dominica Terr.
Stuart, FL 34997
(407) 283-8029 (FL)
(800) 228-7755 (USA)
Wholesale distributors for padlocks, entrance locks, key blanks, miscellaneous hardware. Large inventory of hotel keys. No minimum orders on hotel keys.

Key Sales & Supply Co.
9950 Freeland Ave.
Detroit, MI 48227
(800) 445-KEYS
FAX: (313) 931-7758
Key Personnel: Sheldon Wiener, Pres.; Michael Wiener, VP
Full line stocking distributors of key blanks, key machines, locks, locksmith supplies and hardware.
See ad on page 170

Key Supply
362 7th St.
San Francisco, CA 94103

Keys Wholesale Distributors
P.O. Box 498
Drexel Hill, PA 19062
(215) 626-4787 (Offc)
(800) 292-5397 (Order Desk)
Key Personnel: Bill Kline, Owner; Dottie Kline, Owner
Nationwide distributors of "Mace" self protection products. Key blanks and machines by E.S.P., ILCO, Silca, Star and Taylor. Key cabinets & security boxes by Buddy.

Profitmaking accessories by Keydex, Lucky Line, Starrett, Supercoil, Perry Blackburne, Lexington Brass and others. Order by 3 PM and get same day shipping!! Cutter wheel sharpening.

Keystone Safe & Equipment Wholesalers
625 South Eighth St.
Philadelphia, PA 19147
(215) 627-7736
Key Personnel: Edward C. Dornisch, Pres., Patricia Krouse
Keystone Safe & Equipment Wholesalers are exclusive distributors of the Keystone "Protector," one and two hour fire safes and computer safes and the "Keystone Viking" burglary resistive fire safe. Distributors of other selected safe manufacturers.

M.D. Kramer
Locksmith Supplies
535 Liberty Ave.
Brooklyn, NY 11207
(718) 647-7800 (800) 221-9674
FAX: (718) 277-5624
Key Personnel: Joe Kramer, Pres.; Joseph Saliutani, Mktg. Mgr.
One of the largest distributors of popular or hard-to-find products.

Leading Edge Tool Co.
3001 Redhill Ave. S 205
Costa Mesa, CA 92626
(714) 549-7027
FAX: (714) 549-7027
Key Personnel: Rick Barbarossa, Owner.
Leading Edge's "close quarters" drill attachments chuck into any electric drill and allow you to drill in 2" of space or less. All purpose tools for hard-to-reach places. Proudly made in America. Specialty screwdrivers, drills, inspection lights, voltage testers.

David Levy Co., Inc.
12753 Moore St.
Cerritos, CA 90701
(310) 404-9998
FAX: (310) 404-9698
Key Personnel: John Iatino, Sr. VP; Allen Shiffman, VP Security Products.
The David Levy Co. is an importer, distributor and manufacturer of electronic parts and accessories. Product emphasis is on the Black Widow line of vehicle security, cellular phone accessories, general line electronic parts as well as installation tools, parts and accessories.

LifeSaver Protection System
35246 U.S. 19 North #123
Palm Harbor, FL 34684
(813) 786-6256 (800) 568-8960
Key Personnel: Neal Allen, Stan Allen
National representatives to professional locksmiths for Protec wireless security alarms. Alarms work by infrasonic sound and volumetric pressure and do not involve any form of motion detection. No installation required, remote arm/disarm, optional monitoring and more. Quality made in the USA.

Lock Supply Co., Inc.
3615 N. 7th St.
Phoenix, AZ 85014
(602) 263-5286 (800) 525-3131 (WI)
FAX: (602) 241-0249
Key Personnel: Alex Ebrahimzadeh, Pres.
Large selection of locks, parts, key machines and safes.

Lockmasters Inc.
5985 Danville Rd.
Nicholasville, KY 40356
(606) 885-6041 (800) 654-0637
FAX: (606) 887-7093
Key Personnel: Clayton Miller, Pres., Mark Miller, Sales Dir.
Lockmasters has now been in business for over

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STRATTEC™

It's your reputation.

Trust the original.

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LOCKMASTERS

Continued from page 88

35 years teaching courses ranging from safe lock servicing to professional locksmithing. Over the years, Lockmasters has also become a major supplier for safe tools and equipment. Ranging from borescopes and drillings to combination locks and safe deposit locks.

Locks Co.
2050 N.E. 151 St.
N. Miami, FL 33162
(305) 949-0700, (800) 288-0801 (Nat'l)
FAX: (305) 949-3619
Key Personnel: Milton Dorn, Pres.; Mark Dorn, VP; Mike Dorn, Sales Mgr.
Full line distributor with all major lines in stock. High security lines such as Medeco, ASSA, and Schlage Primus are no problem. We also have a large variety of electronic locks and entry systems. We specialize in product knowledge, stock, and delivery time.

Locksmith Distributors of America
7330 W. Montrose
Chicago, IL 60634
Full line stocking distributors of all major brands of door hardware and security products. Also marketing the LSDA private brand of products which is sold only through locksmith dealers. Available from these distributors: Acme Wholesale Distributors, Armstrong's Lock and Supply, Inc., Canada Lock Products Ltd., Cooks Supply Co, Hardware Sales & Supply Co., H. Hoffman Co., and M. Taylor, Inc.
See ad on page 161

The Locksmith Store Inc.
1229 E. Algonquin Rd., Unit E
Arlington Heights, IL 60005
(708) 364-5111
FAX: (708) 364-5125
Key Personnel: Tom Swiderek, Pres.; Jack Swiderek, Bob Szabo,

Lock Supply Co. (Fried Brothers Western Div.)
3615 N. 7th Street
Phoenix, AZ 85014
(800) 525-3131 (602) 263-5286
FAX: (602) 241-0249
Key Personnel: Alex Ebrahimzadeh, Pres.; Pat Donahue, Br. Mgr.
Lock Supply, part of Fried Brothers since 1984, currently supplies locksmiths nationwide with a large mix of available products. We offer same day shipping on a full range of in-stock items, including locks, padlocks, keyblanks and machines. ADA approved hardware, and a huge inventory of Automotive locks and parts.

Lockwise Products Inc.
2001 NW 167 St.
Miami, FL 33056
(305) 625-5525 (800)447-6616
FAX: (305) 623-9564
Key Personnel: Fred Cohen, Pres.; Patti Cohen, Sec./Treas.; Syd Friedman, advisor.
Wholesale distributors of major American lines; key blanks, locks, locksmith supplies, door hardware, safes, and electronic security. Warehouse has been expanded by 18,000 feet. Established 1943.

Major Lock Supply
Div. of Robert Skeels & Co.
2512 E. Fender Ave., Unit F
Fullerton, CA 92631
(800) 734-4539
FAX: (310) 639-7569
Key Personnel: Lester Jordar, Pres.; Kenneth Jordan, Vice Pres.

Mancini Safe Company
Twin City Plaza
Cambridge, MA 02141
(800) 367-3453
FAX: (617) 497-7233
Key Personnel: Ivonne McGinn, WholesaleMgr.; Stephen Randall, Svc. Mgr.; Peter Murphy, Locksmith Mgr.
Mancini Safe Company in 1993 will be expanding their wholesale safe distribution to include fire safes, TL-15's, TL-30's, TL30x6, and TRTL30x6. This line of safes is the most complete array of product available from a single supplier. Features and pricing advantages in every category will be sold thru exclusive regional distribution.

Mayflower Sales Co., Inc.
614 Bergen St.
Brooklyn, NY 11238
(718) 622-8765, (800) 221-2052
FAX: (718) 789-8346
Key Personnel: Bill Swetow, Pres., Harris Goldstein, VP; Brian O'Dowd, Mgr.
Adams-Rite, American Lock, Arrow, Auto Security, Briggs & Stratton, Chicago Lock, Corbin, Detex, Folger Adam, Gardall Safes, HPC, Ilco, Locknetics, Lori/Kaba, Marks, Master, Medeco, National Lock, Omnilock, Rolu, Sargent, Securitron, Security Engineering, Simplex, Star Safes, Yale. Full line distributors of locksmith supplies and builders hardware. Since 1917.
See ad on page 18

Mazer Wholesale
6228 Girard Ave.
Philadelphia, PA 19151
(215) 747-7900, (800) 343-0780
FAX: (215) 471-6415
Key Personnel: Andrew Mazer, Owner, Laura DerMarderosian, Nat'l. Sales; Harry Hatfield, Local Sales
Mazer Wholesale is a hardware/houseware distributorship. We service the locksmith trade by supplying imported locks, padlocks, door hardware, keyblanks, and close-outs. Concentration is on fast delivery, competitive pricing, and excellent service. We're a young, energetic company on-the-move, and are willing to serve you. (No minimum order.)

Maziuk & Co., Inc.
1251 W. Genesee St.
Syracuse, NY 13204
(315) 474-3959, (800) 777-5945
FAX: (315) 472-3111
Key Personnel: Stanley Maziuk, Jr., Pres., Stanley Maziuk Sr., Treas.
Since 1943, Maziuk & Co. has provided personal attention and fast service to our customers. Over 135 manufacturers are in stock including: Alarm Lock, Arrow, Briggs & Stratton, Corbin, Folger Adam, Kwikset, Master, Schlage, Simplex, Von Duprin, Weiser, Yale. Maziuk & Co. is large enough to provide you with the selection and prices you need without losing the "personal touch."

McDonald Dash Locksmith Supply, Inc.
5757 East Shelby Dr.
P.O. Box 752506-2506
Memphis, TN 38141-6804
(901) 797-8000
FAX: (901) 366-0005
Key Personnel: Bette Arndt, Exec. VP; E.R. Ferguson, Pres.; Jim Thomas, VP & GM.; Burma Hanson, Office Mgr.
Wholesale distributors of 15,000 plus inventory items from more than 125 manufacturers to locksmiths, hospitals, schools and other institutions since 1945. Distributors of Locks, locksmith tools, closers, exit devices, electronic security products, key machines, key blanks, technical books, etc. . Same day shipment of orders in by 1:00 CT.

McManus Locksmith Supply, Inc.
1309 Central Ave.
Charlotte, NC 28205
(704) 333-9112
Key Personnel: John W. Dyson, Pres.; Ben Lewis, VP; Lucille Mondy, Sec'y./Treas.; Betty Lewis, Bookkeeper/Mgr.

Meister Atlanta Corp.
3673 Clairmont Rd.
Atlanta,GA 30341
(404) 451-9700
FAX: (404) 451-5305
Key Personnel: Harry Dellels, Pres, Renate Dellels,Sec'y.
Heavy duty strike plates H1280 and 2000

Metro Safe Co., Inc.
30845 John R.
Madison Heights, MI 48071
(313) 585-7230 (800) 541-8050
FAX: (313) 585-8705
Key Personnel: Orest Kaloa, Pres.; Ereney "John" Szechowycz, VP
Distributors for: Amsec, Cannon, International, Kaso, Mancini and Safe Corporation., Large inventory of used safes and parts. New 10,000 sq. ft. warehouse. Safes of all types: fire, burglary, depository, data, UL rated TL-15 and TL-30, TL-30x6, TRTL-30x6. We ship anywhere in the United Safes and Canada.

Midland Hardware Dist.
P.O. Box 7043
13 Raritan Rd.
Oakland, NJ 07436
(800) 526-9000 (Nat'l.)
(800) 562-2059 (NJ)
FAX: (201) 337-7695
Key Personnel: John Warren, Dir-Op.& Safes; Frank Begnoche, Dir-Purch. & Mktg.
We are a stocking distributor of door hardware for the following manufacturers: Baldwin, Dexter, Kwikset, Marks, Norton, Omnia, Precision, Schlage, Simplex/Unican and Von Duprin. Orders shipped same day if placed by 2 est. Call about our catalog.

Mid-South Locksmith Supply, Inc.
4176 New Getwel
Memphis, TN 38118
(901) 795-6987 (800) 238-6166
FAX: (901) 795-3475
Only the finest locksmith supplies and security products for 15 years.

Mid-States Security Corporation
247 Woodwork Ln.
Palatine, IL 60067
(708) 358-0760
FAX: (708) 358-0390
Key Personnel: K.C. Gullett, Pres.; Mitch Gullett, VP.
Our products include Adams Rite, Adam Lock, American Lock, Detex, Fort Lock, Master, Medeco, Norton Door Closers, Rolu, Simplex/Unican, Trine and Yale Master Key Systems, rekeying and servicing of Medeco, Fort lock, American and Simplex/Unican is our specialty. Medeco restricted keyway, cam locks, switch locks are stock items.
See ad on page 47

Midwest Safe Distributors
P.O. Box 5310
Philadelphia, PA 19153
(800) 345-8053
Midwest Safe Distributors was established in 1988 to serve the locksmiths and safe dealers in the Midwest. The warehouse is located in Bensonville, Illinois. Twelve models of the Diplomat Fire Safe line are stocked and are immediately available. The safes have key and combination locks. Various lock options are available.

Midwest Wholesale Hardware
5121 Front St.
Kansas City, MO 64120
(800) 821-8527
FAX: (800) 621-6581
997 W. Kennedy Blvd., #A18
Orlando, FL
(800) 659-8527
FAX: (800) 659-6581
Midwest Wholesale Hardware offers a wide range of products for all your hardware needs. We stock Corbin Russwin, Schlage, Von Duprin, Yale, LCN, Dor-O-Matic, Norton, Simplex, Locknetics, Glynn Johnson, Markar,

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Richmond Industrial Supplies
68 Port Richmond Ave.
Staten Island, NY 10302
(800) 462-9997
FAX: (718) 981-5665
Key Personnel: Bob, Dan, Kevin
We are RIS Richmond, a family owned and operated distributor of Baldwin hardware. Right In Stock, is the largest selection of the highest quality brass hardware available, as well as bath accessories, cabinet hardware, etc. Our expertise and inventory are concentrated on Baldwin & Master/Dexter. Also, we can deliver from other major manufacturers.

Rininger Lock & Supply
3468 Citrus St., Suite C
Lemon Grove, CA 91945
(619) 463-0170
FAX: (619) 697-2590
Chuck Rininger, owner; Brian Goonan, sales, purchasing
Rininger Lock & Supply recently assumed the business that was known as "Lancaster Locksmith Supply" in El Cajon, CA. We carry a full line of locksmith supplies, tools, machines, etc., as well as being a major distributor of Baxter Systems code books, updates, guide keys, and tryout keys.

Jim Ripley's Services, Inc.
(Safe Monkey Wrench™)
304 S. Lynn Riggs Blvd.
Claremore, OK 74017
(918) 341-1077
Key Personnel: Jim Ripley, Pres.
The Safe Monkey Wrench™ is a tool designed to open many high security safes without drilling or manipulation, with minimum damage to the safe. The tool was designed by Jim Ripley, CML, a locksmith specializing in safe openings. Mr. Ripley has also taught safe opening classes.

C.E. Sanders
6902 N. Armenia Ave.
Tampa, FL 33682-7020
(813) 935-5157
Key Personnel, Calvin Sanders, Owner; Carol Sanders, Sec'y
We manufacture our own patented products (established 1983, Hide-That-Key Clipo (tm), Portable Privacy Lock (travel lock), Thumb Square (tm), Keyholders (available in black, 24K gold plate and solid 14K gold). Assorted desk accessories.

Dave Sanders & Co. Inc.
107-111 Bowery
New York, NY 11226
(800) 542-1743 (Nat'l),
(212) 334-9898
FAX: (212) 966-4185
Key Personnel: Paul Sheopaul, Sales Asst.; Shelly Auerbach, Tech. Asst.
Since 1952, Dave Sanders has been serving the trade community in the New York metro area. We stock an enormous inventory of building, cabinetry and door hardware. We specialize in commercial and decorative hardware and our line of power tools can't be beat. We are available from 8-4:30 p.m. Monday-Friday OEST.

Edw. Saucedo & Son Co., Inc.
711 N. Copia
El Paso, TX 79903
(915) 566-7101

Security Control Systems
20202 S. Holly
Frankfort, IL 60423
(815) 469-0532
FAX: (815) 469-6425
Key Personnel, Daniel Nicholson, Pres.; Kathy Nicholson, Controller; Deborah Smith, Cust. Svc. Mgr.
Security Control Systems is the master distributor of Key-Z, key control software, along with distribution of key control products. SCS provides consulting services to the lock industry.

Security House Padlock Distributors
877 Alness St., Units 3-5
Downsview, Ontario Canada M3J 2X4
(800) 567-5300(Canada-wide)
FAX: (416) 661-6313
J. W. (Jim) Flewitt, Pres.; John Callaghan, V.P. Oper
Canada's factory source for Master Lock, Dudley, American Lock, Papaiz, PrestoLock, Squire, Cisa, Hampton, Buddy, Esmet, XL-Lock, Olympus, VIRO - Abloy restricted keyway padlocks.

Security Lock Distributors
59 Wexford St.
P.O. Box 815
Needham Heights, MA 02194
(617) 444-1155 (Local)
(800) 847-5625
FAX: (800) 878-6400
Key Personnel: Sidney Schwartz, Pres.; David Schwartz, VP; Jeff Schwartz, VP; Martin D Wiener, Controller
Security Lock Distributors is a wholesale distributor of locks and security products. We are the nation's largest distributor of Arrow locks carrying their complete line. We also carry the complete inventories of Adams Rite, Folger Adam, Simplex, Bommer Mailboxes, Detex, Alarm Lock, Von Duprin electronics, and Locknetics-Security Engineering.

Security Plus, Inc.
3612 North 16th St.
Phoenix, AZ 85016
(602) 234-3883,
(800) 822-7550 (AZ),
(800) 426-0200 (Nat'l.)
FAX: (602) 234-3882.
Key Personnel: Steven E. Marcou, Pres.; Theo Nielson, Sales Mgr.
Security Plus is a wholesale lock distributor dedicated to providing excellent service to the locksmith industry. We are stocking products and parts of major manufacturers of automotive locks, cabiner locks, door hardware, locksets, locksmith tools, key blanks, key machines, safes, security devices, and various supplies.

Sell Hardware Distributing Inc.
117 South 27th Ave. West
Duluth, MN 55806
(218) 722-2328
Key Personnel: Don Sell

Sentinel Wholesale Hardware
Sentinel Diversified Industries, Inc.
2043 Wellwood Ave
East Farmingdale, NY 11735-1283
(516) 753-6000
FAX: (516) 753-6004
Key Personnel: Alan Litrolf
Wholesale distributors of architectural and builder's hardware including Medeco, Yale, Von Duprin, LCN, Magnetronics, Ralon, Jackson, Rixson.

Serrubec Inc
2073 Chartier Ave.
Montreal (Dorval), Quebec
Canada H9P 1H3
(514) 631-6791, (800) 361-0243
FAX: (514) 631-0494
Key Personnel: Joseph Mastro, VP
Wholesale locksmith supplies.

M. Shepse Co. Div. American Bionics
21st and East Carson Sts.
Pittsburgh, PA 15203
(412) 381-4900 (800) 666-6007
FAX: (412) 381-5122
Key Personnel: Sandy Zaremberg, VP
Arrow, ASSA, Alarm Lock, Bommer, C.C.L., Detex, Don Jo, Falcon, H.P.C., Sargent, Ilco, LCN, M.A.G., Master, Medeco, National, Program Marketing, Quincy, Sargent, S&G, Simplex, Stanley, Trine, Weiser, Wilson-Bohannon, and Yale.

Shield Supply & Services Ltd
Unit 17-1391 St. James St.
Winnipeg, Manitoba
Canada R3H 0Z1
(204) 774-1921
FAX: (204) 774-5627
Key Personnel: C.M. "Coley" Kaufman, Pres./GM; Shawn McIntosh, Sales Mgr.
Major lines: Abloy, Abus, American Lock, Auto Security, Briggs & Stratton, ESP, Falcon, Fromon, Grobet, HPC, Ilco-Unican, Keymak, LAB, Medeco, National Lock, Ryton, Don-Jo Mfg. Centrally located Canadian wholesale distributor of security hardware and locksmiths' supplies and tools to the trade, contract hardware houses and government and municipal agencies.

D. Silver Hardware Co., Inc
591 Ferry Street
Newark, NJ 07105
(201) 344-3963, (201) 344-4055
(800) 222-2915 (NE)

Silver Sales
2701 C.W. 15th St., Ste. 291
Plano, TX 75075
(214) 867-4545, (800) 258-LOCK
FAX: (214) 618-1897
Key Personne : Bill Silver, Judee Brummette Silver
Carry a complete line of Sargent & Greenleaf, Simplex/Unicon and Roton products. Since 1982, supplying these and other fine security hardware throughout the U.S.

Robert Skeels & Company
19216 S. Laurel Park Rd.
Compton, CA 90220
(800) 734-4539
FAX: (310) 639-7569
Key Personnel: Lester Jordan, Pres.; Kenneth Jordan, Vice Pres.
Over 40,000 items stocked, we support the locksmith and builder's hardware industries in California, Oregon, Nevada and Hawaii since 1923.

Slide Lock Tool Co., Inc.
1166 Topside Rd.
Louisville, TN 37777
(800) 336-8812, (615) 577-8470
FAX: (615) 577-5936
D. Scott Selby, R & D; Elaine Selby, Inside Sales Mgr.

So-Cal
2602-A Transportation Ave.
National City, CA 91950-6654
(619)474-8847 (800) 521-3551
FAX: (619) 474-2440
Ron Erbland, co-owner; Lin Erbland, co-owner
So-Cal, established 1980, stocks key blanks, auto locks (foreign and domestic), locksmith tools, novelties, key cabinets, and security cash handling equipment. No minimum purchase is required.
See ad on page 85

Southern Lock & Supply Co.
10910 Endeavor Way
P.O. Box 1980
Pinellas Park, FL 34664-1980
(800) 282-2837 (FL),
(800) 237-2875 (Nat'l)
FAX: (813) 544-2832
Key Personnel: Marvin Cutson, Pres.; David Matthies, VP-Op.
Southern Lock has been a supplier to the locksmith, security and building industries for more than 40 years, maintaining a large inventory of popular products from over 200 manufacturers. With four locations, competitive pricing and friendly, qualified sales personnel, Southern is doing what it takes to keep their customers happy.

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Space Age Locksmith Supplies, Inc.
P.O. Box 740240
Orange City, FL 32774-020
(904) 734-3113 (800) 247-7942
FAX: (904) 734-0559
Key Personnel: John Millan, Pres
Here at Space Age Locksmith Supplies we will give you personal attention. We are a stocking distributor for major manfuacturers like All Lock, American, Star, Lucky Line, Silca, Valley Forge and others. We stock foreign and domestic car locks, pinning kits, key blanks, padlocks, key machines key rings and more.

Standard Wholesale Hardware Inc.
42 Ludlow St.
New York, NY 10002
(212) 353-0450

Jack Stearman Ltd.
338 West 6th Ave.
Vancouver, B.C. Canada V5Y 1K2
(604) 872-8415
FAX: (604) 875-9174
Key Personnel: John Stearman, Pres.; Edna Nichols, Operation Mgr.

Stone and Berg
Wholesale Locksmith Supply
99-103 Stafford Street
Worcester, MA 01603
(800) 225-7405
FAX: (800) 535-5625
Key Personnel: Rick Brown, Sales Mgr.; Dick Brooks, Operations Mgr.; Phil Sandstrom, Purchasing Mgr.

Strauss Safe & Lock Co., Inc.
1801 2nd Ave
P.O. Box 716
Des Moines, IA 50314
(515) 288-9571
(800) 532-4107 (Nat'l WATS)
FAX: (515) 288-9752
Key Personnel: Dan Swift, Pres.; Bill Cunningham, Wholesale Mgr.
Founded in 1927, Strauss is one of the oldest locksmith suppliers in the Midwest. We specialize in Weiser, Schlage, Master, and Ilco to name a few.

M. Taylor Inc.
(An LSDA Company)
5635-45 Tulip St.
Philadelphia, PA 19124
(800) 233-3355
FAX: (215) 288-2511
Key Personnel: Don Amole, Pres., Matt Helms, Buyer/Marketing
M. Taylor is a distributor for all major lines of locks and hardware. We have been serving the Locksmiths since 1912. We also carry a complete line of LSDA Products. Our motto will continue to be "Service Tailored To Your Needs."

Taylor Security & Lock Co., Inc.
8585 Atlas Dr.
Gaithersburg, MD 20877
(301) 948-7670 (800)676-7670
FAX: (301) 948-1029
Key Personnel: Joel Taylor, Pres.; Myrna Taylor, VP/Sec'y.; Larry Dubit, VP-Op.

Top Notch Distributors
P.O. Box 189
413 Erie St.
Honesdale, PA 18431
(800) 233-4210
FAX: (800) 854-4146
3688 Research Way
Carson City, NV 89701
(800) 722-4210
FAX: (800) 248-3620
Key Personnel: Brian Mikulewicz, Mgr.; Jim Williams (NV)
See ad on page 23

TRAM International, Inc.
P.O. Box 6247
Delray Beach, FL 33484
(800) 843-2440
FAX: (800) 448-8280
Key Personnel: Jacki Friedman, Sales Rep.
TRAM Int'l is a wholesale distributor with an extensive inventory of key blanks, key machines (new and used), novelties - rings - fobs - etc. and printed signs. TRAM Int'l is continually expanding its catalog which is available on request free. Our quick and personal service is here to help your business.

Trans Atlantic
440 Fairmount Ave.
Philadelphia, PA 19122
(215) 629-0400, (800) 523-9956
FAX: (215) 629-1282, (800) 531-0844
Key Personnel: Norman Millman, Pres., Bernie Davis, Nat'l Sales Mgr.
We are the oldest (est. 1951) stocking importer of high quality, commercial and residential grade builders and security products from the many outstanding off-shore manufacturers we represent for the USA market. We specialize in locks, deadlocks, rim and mortise cylinders, panic devices, door closers and door viewers.

Transwest Hardware Sales
1315 Powell St.
Vancouver, B.C. Canada V5L 1G8
(604) 253-0017, (800) 567-1177
FAX: (604) 253-5344
Key Personnel: Dick Ballard, GM; Brad McRitchie, Sales Coord.
Transwest Hardware is a full line distributor supplying the locksmith trade in western Canada. Free freight on orders over $250 and an extra 5 percent discount on orders over $300 of any product.

Turn 10 Wholesale
P.O. Box 746
Marietta, OH 45750
(800) 848-9790
FAX: (614) 374-3322
Key Personnel: David Miller, Sales; Maribeth Miller, Cust. Svc.; Donna Barn, Cust. Svc.
Wholesales Gardall and Meilink fire rated and deposit safes. We ship to all 48 states, free freight, quantity discount, no minimum, free literature, sales aids, next-day shipping, hundreds of safes in stock at two warehouse locations.
See ad on page 21

Tweeds Locksmith Inc
Wholesale Supply Div.
601 Elm Ave.
Portsmouth, VA 23704
(804) 399-2180, (800) 544-4482
FAX: (804) 399-1636
Key Personnel: Ernest F. Floyd, Jr., Pres.; Gary A. Waterman, VP; Patricia C. Floyd, Sec'y/Treas.
Wholesale distributors, retail sales and services for over 40 years. Distributors of all leading manufacturers, S&G, Kwikset, Ilco, Master Lock, Schlage, American Lock, Simplex, electronic cypher locks, etc.

Union Iron & Metal Co., Inc.
2820 Holmes Rd.
Houston, TX 77051
(800) 237-0255, (713) 799-9960
FAX: (713) 799-8483
Key Personnel: Ron Higgins, Exec. VP; Mallory Hoffman, VP; Miguel Araujo, Sales

The Ulrich Lock Co.
316 N. Milwaukee St.
Milwaukee, WI 53202
(414) 272-2080
FAX: (414) 272-5946
Key Personnel: Art Preston, Office Mgr.; James P. Holzer, CRL & Robert C. Stein, Security Consultants
The Ulrich Lock Company has been supplying, installing and servicing Door Hardware and Security Locking devices for residential, commercial, industrial, and institutional clients in Milwaukee, Wisconsin and abroad since 1903. Call for competitive prices and incomparable delivery times!

U.S. Lock - The Security Professionals ®
77 Rodeo Dr.
Brentwood, NY 11717
(800) 525-5000
FAX: (800) 338-LOCK
Key Personnel: Jim Ellis, VP/GM; Gene Merber, VP of Sales & Mktg.
U.S. Lock is a distributor, manufacturer, packager and importer of U.S. Lock brand products and all national brands of security hardware. U.S. Lock Security Centers are a nationwide network of authorized U.S. Lock dealers that retail U.S. Lock products as well as national brands.

Veehoff Supply Co.
1515 Lake Ave.
P.O. Box 361
Storm Lake, IA 50588
(712) 732-1836
Key Personnel: B.H. "Ben" Veehoff, Owner
Nationwide distributors of automobile masterkey sets, car unlocking tools, and Star key blanks. We ship to all 50 states and Canada.

Wadsworth White Inc.
5873 New Peachtree Rd., Ste. 100
Atlanta, GA 30340
(404) 458-9449
FAX: (404) 452-7378

Waldron's Security
90 Knox Ct.
Denver, CO 80219
(303) 934-2148, (800) 255-0701
FAX: (303) 934-3452
Key Personnel: Donald N. Waldron, Owner

Ray Ware Hardware
4048 Herschel St.
Jacksonville, FL 32205
(904) 389-6659
Key Personnel: Tom Jones, Ken Kuder

Wedge Co Tool Supply International
717 122 Ave. NE #4
Bellevue, WA 98005
(800) 452-2304
Key Personnel: Doug Kimzey, Pres.
Wedge-It™ 2 in 1 tool (auto window wedge and door panel removal tool). Electric Trunk Tool No. 1101 "Trunk Popper™", (volt electrical probe). Micro Extractor™, (Broken key removal tool). Corduroy "Locksmith" Caps, X8 Optical Magnifier. Stainless steel forceps (mosquito). Flex extension light. Bic Pens, Magnetic Business Cards.

Whalco
305 North First St.
P.O. Box 549
Martins Ferry, OH 43935
(800) 848-5440 (Nat'l)
(800) 628-1133 (OH)
FAX: (614) 633-5779
Key Personnel: Paul Parnell, Mgr.

Wholesale 4 Inc.
706 S.E. Grand Ave.
Portland, OR 97214
(503) 238-8605
FAX: (503) 235-5636
Key Personnel: Nancy Burt, Mgr.; Siobhan Mahoney, Sales, Sean Garrison, Inventory.
Our main objective is service with same day shipping on any stock item. Special orders not a problem either. Large inventory including Auto Security, ESP, Ilco, Briggs & Stratton, Ali-lock, Adams Rite, Kwikset, Master, Schlage, Weiser, Fort Lock, HPC, and much more.

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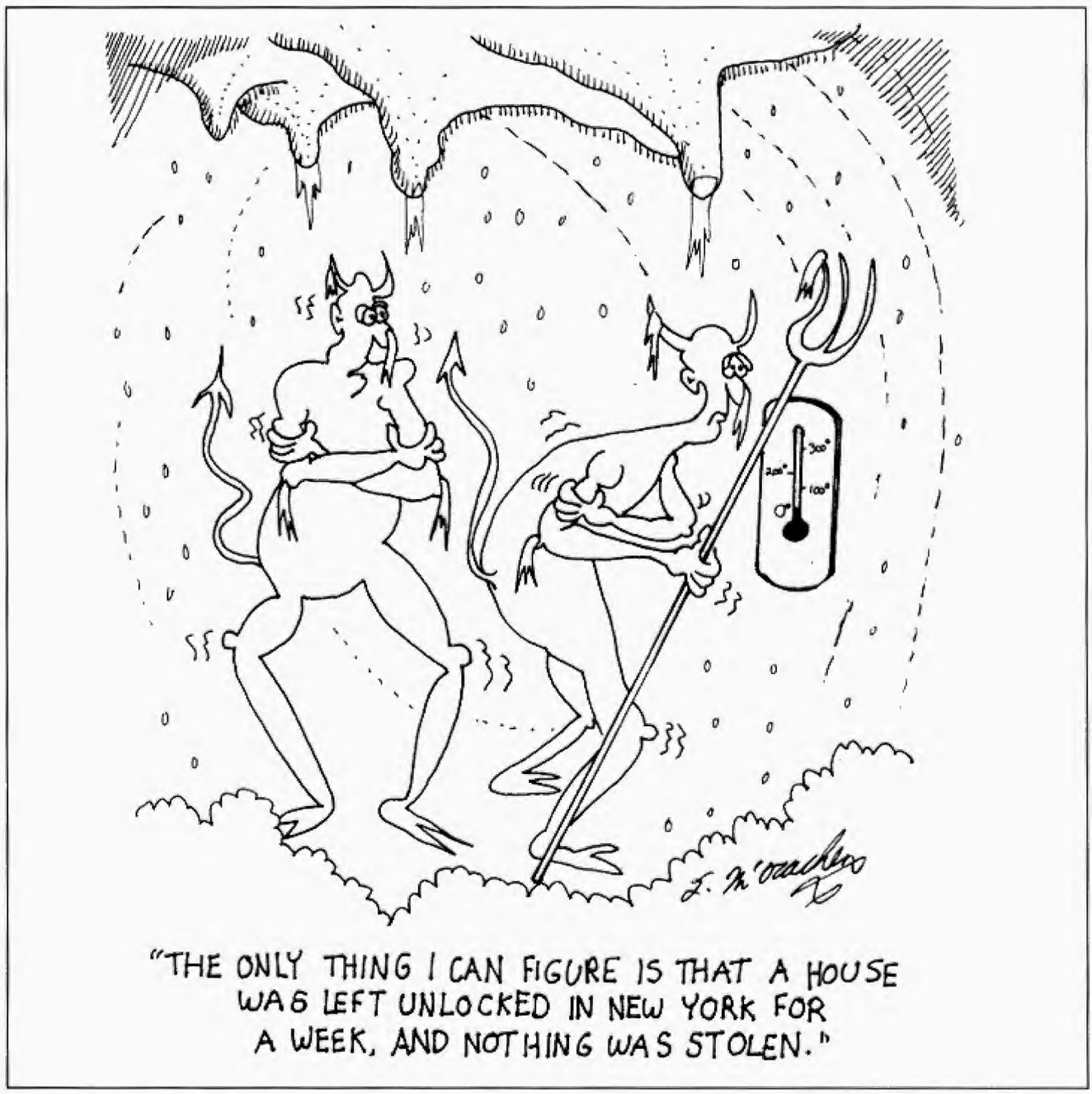
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Wilco Supply
5960 Telegraph Ave.
Oakland, CA 94609
(800) 745-5450
FAX: (510) 653-5397
Key Personnel: H.D. Williams, Pres.; R.D. Williams, VP-Oper. Mgr.; Jonathon Clarner, Sec'y./Treas.
Over 32,000 security products, electronic access and locksmith supplies including locksets, keyblanks, maglocks, padlocks, safes, automotive products, electric strikes, hinges, closers, exit devices, key machines, locksmith tools, hand tools and builders hardware. Same day shipping, automated price guide or computer diskette, competitive pricing, knowledgeable sales staff, excellent customer service.

Williams Key Co., Inc.
2206 Locust St.
St. Louis, MO 63103
(314) 231-2411, (800) 325-1779 (Nat'l)
FAX: (314) 231-4609
Key Personnel: Erma L. Williams, Pres.; Mike Rachacki, GM; George Koester, Op. Mgr.
Williams Key Co. was started in 1968 as a key company selling to local trade. In 1974 it was incorporated and expanded to carry locks and padlocks. We now carry products of over 100 major manufacturers that include all locksmith tools, locks, and hardware. We have a 500 page catalog available.

Yohar Supply
P.O. Box 327
Elyria, OH 44036
(800) 362-7416
Key Personnel: Lloyd N. Lopez

Zipf Lock Co.
830 Harmon Ave.
Columbus, OH 43223
(614) 228-3507, (800) 848-1577
FAX: (800) 228-6320
Zipf Lock Co. was established in 1908. We specialize not only in the popular locks but also the hard to find lock functions and designs in Arrow, Kwikset, Schlage, Master, Weiser and many more. We are constantly adding to our inventory of over 16,000 items. Give us a call.
See ad on page 49



Click on border to view new company or issue

Schools

Acme School of Locksmithing
11350 S. Harlem
Worth, IL 60482
(708) 361-3750
Acme's Locksmithing Course was developed for the individual with no experience or prior training, but who wishes to learn the craft and begin a locksmithing career, or for the individual with previous experience who wants to expand and further his abilities and techniques. This course is an in-house, hands on, training program where you will learn by doing.
See ad on page 136

California Institute of Locksmithing, Inc.
14721 Oxnard St.
Van Nuys, CA 91411
(818) 994-7426
Key personnel: Charles Hasekian, Pres.; Michael Bell, Dir.; Edward Aries, Instr.; D. Paisley, Asst. Instr.

Colorado Lksm. College, Inc.
4991 W. 80th Ave., Unit 103A
Westminster, CO 80030
(303) 427-7773
Key Personnel: Howard Smith, Pres.
Colorado Locksmith College credits its growth success to the fact that we teach established courses, customized courses, and one design courses to our students. We believe in supply and demand; you supply the need, we meet the demand.
See ad on page 124

Foley Belsaw Institute
6301 Equitable Rd.
Kansas City, MO 64120
(800) 821-3452 (orders only)
(816) 483-2700 (customer service)

Golden Gate School
Of Lock Technology
3722 San Pablo Ave.
Oakland, CA 94608
(510) 654-2677
Key Personnel: Edwin W., Scott Jr., Dir.; Charlie L. Cunningham, Chief Instr.
Our school utilizes a unique teaching technique in an effort to turn out good, potential employees for the locksmith industry. For those who qualify, we also offer two week short term courses. In just about any aspect of locksmithing. We also offer three week short term courses.
See ad on page 131

HPC Learning Center
P.O. Box 2093
Schiller Park, IL 60176
(708) 671-6284 Ext. LC
FAX: (708) 671-6343
Key Personnel: Jerry Hoffman, Chief Educational Off.; Alan Goeke, Dir. Operations.
HPC Learning Center offers state board of education accredited courses in both basic and advanced locksmithing. Available in two convenient formats:
*Evening-two nights per week (12 weeks, total 84 hours).
*Intensive-two week Monday-Friday (42 hours per week-total 84 hours).
Call or write for further information.

Lock & Safe Institute of Technology
1650 North Federal Hwy.
Pompano Beach, FL 33062
(305) 785-0444
Complete locksmith course is offered at our South Florida campus. Practicing locksmiths may learn any subject area. Our students learn through "hands on" and field experience. Graduates are given a 24 hour, seven days a week hotline for technical information and help.
See ad on page 46

Lockmasters Inc.
5085 Danville Rd.
Nicholasville, KY 40356-9531
(606) 885-6041
FAX: (606) 885-7093
Key Personnel: Clayton Miller, President
Educational Classes: Residential locksmithing and all safe and vault related courses. Correspondence, safe lock servicing, safe lock manipulation, safe deposit servicing.

ASP Inc.

ASP Covers the World of Auto Locks

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Locksmithing Institute of America, Inc.
116 Fairfield Rd.
Fairfield, NJ 07004
(800) 526-0890
(201) 575-5225 (NJ)
Key Personnel: John P. Regan, Pres.
The Locksmithing Institute of America, Inc., has been in business since 1946. We offer a complete training program in professional locksmithing and have taught tens of thousands of students all over the world since our inception.

Messick Vo/Tech Center
703 South Greer
Memphis, TN 38111
(901) 325-4840
FAX: (901) 325-4842
Key Personnel: Steven L. Gloss, Instr.

North Bennett St. School
392 North Bennet Street
Boston, MA 02113
(617) 227-0155
Key Personnel: Jack Hobin, C.P.L., Instr.; Roy Nielsen, Dir. Admissions
Founded in 1885, NBSS is an accredited member of NATTS. Specializing in hand tool skills, we offer 1170 hours of training in servicing all mechanical residential and commercial door locking devices, setup of master-key systems, install locks, service automotive locks, and servicing of combination locks.

Northern Metropolitan College of Tafe
Locksmithing Section
20 Otter St.
Collingwood Vic 3066
Australia
(613) 270-1753
Fax: (613) 270-1755

NRI School of Locksmithing
4401 Connecticut Ave., NW
Washington, DC 20008
(202) 244-1600
Key Personnel: Bill Coleman, Exec. Dir.; Tyrone Robinson, Senior Instr.; Bill Braxton, Sr. Instructor
Locksmithing and electronic security training is now available from NRI Schools. NRI gives you training in both locksmithing and electronic security systems in one complete new course. You learn at home, according to your schedule. Write to us today for your free catalog.

Pine Technical College
1000 4th St.
Pine City, MN 55063
(800) 521-7463
Key Personnel: John Heckman, CML, Instr.; Jay Hutchins, Dean-Student Svc.
Pine Technical College, located 60 miles north of Minneapolis/St. Paul, is one of Minnesota's 34 technical colleges. In addition to other business and trade programs, the college offers a 96 credit diploma and 108 credit AAS degree (two years) in locksmithing technology. The program (including internship) encompasses all aspects of the planning, installation, management, and repair of locks, electronic security, and allied systems.
See ad on page 41

Quintilian Institute Services
5001-A Lee Highway #101
Arlington, VA 22207
(703) 525-7525
FAX: (703) 243-5476
Key Personnel: Carl Clinton, Principal; Callen Halverson, Instr.; Mark Bates, Instr.
Quintilian Institute Services offers all new classes and instructors for 1994. Housed in a permanent facility near Washington D.C., we train government and civilian personal in lock technologies. Q.I.S. is also a supplier of specialized tools for the lock and safe industry.
See ad on page 123

Security Education Plus
P.O. Box 497
Nicholasville, KY 40356
(606) 887-6027
FAX: (606) 887-6027
Key Personnel: Rex E. Parmelee, Pres.

Universal School of
Master Locksmithing
3201 Fulton Ave.
Sacramento, CA 95821
(916) 482-4216
Key Personnel: Rick Varine, Pres.
Correspondence and shop training. Working shop environment.

Valley Technical Institute
5408 N. Blackstone Ave.
Fresno, CA 93710
(209) 436-8501
FAX: (209) 439-3814
Key Personnel: G. Haven Young, Dir./Instructor
New classes starting four times a year. Basic locksmith class lasting 9 weeks will cover: lever and warded locks, disc/wafer tumbler locks, pin tumbler and automotive locks. Advanced locksmith class lasting 3 weeks includes masterkeying and safe maintenance. Hands-on jobs included. Externships available after completion of programs.

DCI

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We have Security
Exit Devices.

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Alarm Monitoring

Alarm Monitoring Services, Inc.
502 Fairfield St
Metairie, LA 70006
(504) 454-2163, (800) 228-4134
FAX: (504) 456-8706
Key Personnel: Dera A DeRoche, Pres., Ray J. DeRoche, III, V.P., Charlotte Bordelon, Central Sta. Mgr.
Alarm Monitoring Services, Inc. was founded in 1980. The company provides alarm monitoring services exclusively for dealers. We are dedicated to providing the most sophisticated alarm monitoring services available anywhere.
See ad on page 35

American Magnetics Corporation
740 Watson Center Road
Carson, CA 90745-4181
213-775-8651
FAX: 310-834-0685
Key Personnel: Richard Kelley, V.P. - Access Control; Ed Marin, Reg. Dir.; Hal Haug, Reg. Dir.
American Magnetics Corporation manufactures access control and alarm monitoring products for small to large integrated security systems.

Central Alarm Control, Inc.
13973 SW 140 Street
Miami, FL 33186
(305) 238-0800, (800) 258-6522
FAX: (305) 378-4563,
(800) 933-4563
Key Personnel: Robert Boudreaux, GM
Central Alarm Control, Inc. offers all phases of digital alarm monitoring, long range radio, and derived channel providing service for security, fire, life safety, medical environmental and elevator telephone system. The U.L. listed central station serves over 500 independent installing companies nationwide. C.A.C. has served the industry since 1982.

Emergency Response Center
1514 E. 191 St
Cleveland, OH 44117
(800) 322-3721
FAX: (800)243-3329
Key Personnel: Jim Beck, Network Mgr.
National wholesale monitoring station. Established in 1980. 35,000 systems online. Dealer support provided.

Emergency 24, Inc.
4179 W. Irving Park Rd.
Chicago, IL 60641
(800) 877-3624
(312) 777-0707
FAX: (312) 286-1992
Key Personnel: Dante Monteverde, Pres.; Maureen Cold, Nat'l Sales Mngr.; Pat Deveraux, Central Stn. Mngr.
Emergency 24 is a nationwide central station providing alarm monitoring services exclusively to independent alarm dealers since 1972. Dealer contract financing program. Interactive PC/Mainframe software program available. Backup branch central stations. Exclusive ISDN based phone number identification services. Marketing aids and support.

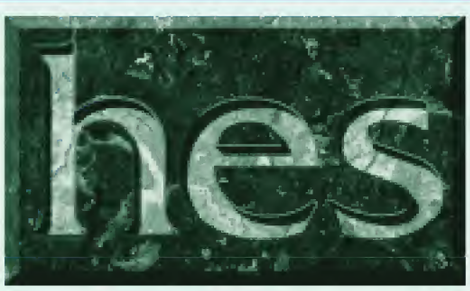
Grand Central Station
2194 Kidder St
Hayward, CA 94545
(800) 458-4519
FAX: (510) 887-7364
Key Personnel: Mike Cooke, Mgr.; Lisa Fantilis, Dealer Support
Grand Central Station is an Underwriters Laboratory listed central station dedicated to supporting dealers with quality wholesale monitoring of burglar and fire alarms. G.C.S. can show you how to increase your profits on all monitoring jobs. We can provide direct billing for your clients monitoring and return profits to you.

Monital Signal Corp.
1433 Highway 34
Farmingdale, NJ 07729
(800) 631-2299
FAX: (201) 438-2335
Key Personnel: Ray Sacks, Pres.; Rich McKelligett, Dir.-Op.
Nationwide alarm monitoring and telephone answering service for the security industry only. Down loading of alarm histories and answering service messages to on sight printers at dealers' premises.

National Alarm Computer Center, Inc.
P.O. Box 12520
Santa Ana, CA 92712
(714) 834-1208
(800) 854-3392 (Outside CA)
(213) 687-3917
FAX: (714) 543-6719
N.A.C.C. is a complete all service U/L monitoring central station for licensed alarm companies, offering a wide variety of state-of-the-art monitoring techniques for all makes of digital dialers and alarm panels. N.A.C.C. Inc. is equipped with a fully redundant computer system.

National Guardian Security Svc. Corp.
Suite 550, 155 S. 5th Ave.
Minneapolis, MN 55401
(612) 336-4377
FAX: (612) 333-8358
Key Personnel: Craig Leiser, VP Dealer Op.; Seth Wargin, Office Supv.; Becky Smithwick, Dealer Support Svc.
National Guardian dealer operations has served the monitoring needs of dealers and their customers since 1977. We offer selected hardware purchase and marketing assistance to qualified dealers.

Security Central
312 Park Drive
P.O. Box 5754
Statesville, NC 28677
(704) 872-9857, (800) 438-4171
FAX: (704) 878-0309
Key Personnel: Gayle H. Brown, Monitoring Sales Mgr.
Security Central is a UL and FM approved 24-hour nationwide automated central station. All services are via WATS lines, thereby maintaining low costs. Residential, commercial, industrial and agricultural properties are all a part of the Security Central monitoring network. Marketing, sales and technical assistance available.
See ad on page 154



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Miscellaneous

The Aardvark Extractor
5225-R Stevens Creek Blvd
Santa Clara, CA 95051
(408) 249-9735
Key Personnel: Charles Frazer, owner
Stainless steel micro forceps with serrated jaws that open at the tip of a single shaft for removing broken keys tips or small objects from hard to reach areas

Abbeon Cal Inc.
123 Gray Ave.
Santa Barbara, CA 93101-1895
(805) 966-0810 (805) 963-7545
FAX: (805) 966-7659
Abbeon Cal is an industrial mailorder company. Our 500 page catalog includes all types of instruments, as well as laboratory, plant, industrial and drafting supplies.

Air Louvers Inc.
8455 E. Loch Lomond Dr.
Pico Rivera, CA 90660-0988
(213) 948-3495
FAX: (213) 949-4661
Key Personnel: Lou Majesko, Gen. Mgr.; Ernie Strickland, VP Sales; Shari Pendleton, Mgr. Customer Svc.
Air Louvers Inc. manufactures a full line of louvers and vision frames for commercial doors.

American Eagle Sales
P.O. Box 1091
Grants Pass, OR 97526
(503) 479-6497
FAX: (503) 474-1325
Key Personnel: Herbert R. Bell, Owner; Shirley M. Bell, Coowner
Originator and designer of a locksmith belt buckle that truly depicts the locksmith image. The buckle is available both in pewter and brass finishes.

Audio Alert Systems
Of America, Inc.
4208 Dover Rd.
Louisville, KY 40216
(502) 448-6699
FAX: (502) 448-0018
Key Personnel: Lisa Hayes, Mktg. Supv.
E-Z Tone Magnetic Door Announcer completely nonelectric. Needs no batteries. Audible up to 5000 sq. feet. Handsome pearl gray and dark bronze exterior.

The Canadian Locksmith Inc.
137 Vaughan Rd.
Toronto, Ontario M6C 2J9
(416) 653-2199
FAX: (416) 656-3048
Key Personnel: Arnold Smincolaos

Citizens Defensive Products
2206 Monterey Drive
St. Joseph, MO 64507
(816) 233-1512
FAX: (816) 233-3092
Key Personnel: Mel Wigersma
Wholesale non lethal crime prevention products. Spray devices, stun guns, burglar alarms for home and auto. Personal protection items for individuals. Point of sale counter displays, camera ready ads for the retailer. Personalized ads for retailers

Darex Corporation
Box 277-220 Hersey St.
Ashland, OR 97520
(503) 488-2224 (800) 547-0222
FAX: (503) 488-2229
Key Personnel: Neal Kinzie, Sales Mgr., David Bernard, Pres.
Darex Corporation is known through out the world as the leading producer of precision sharpening equipment for drills, endmills and taps. Darex sharpeners are simple, accurate and they will save you time and money. For complete information Darex has available comprehensive literature and a free video.

Direct Safety Co.
7815 South 46th St.
Phoenix, AZ 85044
(602) 978-7009 (800) 528-7405
FAX: (800) 366-9662
Key Personnel: Patrick Acton, Mktg. Mgr.; Tom Reine, Product Mgr.

HPC

HPC has it all:
Key Machines, Software, Books, Car Openers, Pick Sets, Tools, Door Guards, and Key Cabinets

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Edu-tech
P.O. Box 36791
Grosse Pte., MI 48236-1791
(313) 824-2710
FAX: (313) 824-7560
Key Personnel: James K. Warunek, owner.
Distributors of Framon quality products and representing locksmiths/ security technicians who wish to teach their expertise to those already in the trade. Also, Edu-tech will help those in the trade with their invention and concept of tool design from idea to manufacture and distribution.

Robert W. Fischer
5217 W. Flight Ave.
Santa Ana, CA 92704
(714) 892-1133, (714) 839-6272
We sharpen all types of key duplicating machine cutters.

GNM Videos
5402 Cricket Lake Dr.
Charlotte, NC 28277
(704) 544-2600
Key Personnel: Glenn Morris, Pres.
GNM Videos produce training videos on various subjects. Locksmith and safe training is a large part of our video sales. These are taught by a professional locksmith who knows his trade. Other tapes include self-defense for women, taught by a national champion in karate.

JDL Associates
4941 Brampton Parkway
Ellicott City, MD 21043
(410) 750-2225
FAX: (410) 750-1052
Key Personnel: Jeffrey D. Luther, Sales

Jon's Lock & Key
8918 So. 700 E.
Sandy, UT 84070
(801) 255-1003

Key Personnel: Jon Vawdrey, owner; David Vawdrey, Mgr.
We have manufactured the EZ Vats tool which simplified the making of a VATS key. This tool and the 15 Vats key blanks are all you need to originate the pass key. No connecting or disconnecting of any wires necessary. Simple, inexpensive, satisfaction guaranteed. $49.95 plus $3.50 shipping and handling.

Keri Systems, Inc.
711B Charcot Ave.
San Jose, CA 95131
(408) 435-8109
FAX: (408) 434-0631
Key Personnel: Chuck Fontana, Gen. Mgr.; Sharon Stuteman, Oper. Mgr.; Matt Taylor, Supp. Tech./Sales
Keri Systems Proxlock is a smart stand alone access control which uses proximity cards and tags to unlock a door rather than keys. Presenting an authorized card in close proximity to the reader will operate a door lock or a gate operator and record the transaction.

Lifetime Products
3726 U.S. Hwy. 34
Kewanee, IL 61443-0465
800-369-5365
FAX: (309) 853-3389
Key Personnel: Jean Kaine, GM; Jim Themanson, Mktg. Mgr.; Dick Kull, Sales Mgr.
Lifetime's lift-a-load elevating platform trailer raises the load from the ground up to 54" high. Ideal for delivering safes, ATMs and vault doors. 4,000 lb. to 15,000 lb. capacities.

Locksoft, Inc.
P.O. Box 2660
Gaithersburg, MD 20886-2660
(301) 258-9245
FAX: (301) 670-6199
Key Personnel: Jon Payne, Pres., Jerry Cohen, GM, Adam Blum, VP

Locksmith industry software, masterkeying, key records, codes, point-of-sale, and accounting. Free catalog.

Pach & Company
941 Calle Negocio
San Clemente, CA 92672
(714) 498-2931
FAX: (714) 498-6879
Key Personnel: John Camp
Manufacturer of the AeGIS 9000 series telephone access control system.
See ad on page 88

Prime Line Products Co.
4185 Halmark Pkwy.
San Bernardino, CA 92407
(714) 887-8118
FAX: (714) 880-2906
Key Personnel: Dick Crowther, Pres.; George Sutpher, VP
Door reinforcing sleeves, high security strikes and screen/storm door latches and closers.

Vern Rose Tool Processing
8605 Commerce
San Diego, CA 92111
(619) 560-9769
See ad on page 103

S & J Products & Services
P.O. Box 10154
Yakima, WA 98909-1154
(509) 575-1797
FAX (509) 575-1875
See ad on page 101

"Samantha" - Group Three Technologies
2125-B Madera Road
Simi Valley, CA 93065
(805) 582-4410
FAX: (805) 582-4412
Key Personnel: Jerry Winters, VP Sales/Mktg., Paula Ann O'Neil, Sales Admin.

Samantha is a total home controller that includes security, telephone/answering device, intercom/monitor, audio input, memos/announcements, and personal time mngmt.; controls lights/appliances, heating/cooling; and programs time, motion, light and manually sensed events. It can be controlled from any room or remote phone with voice prompting step-by-step.

Scosche
5160 Gabbert Rd.
Moorepark, CA 93021
(805) 523-0687
FAX: (805) 523-0761
Auto security encyclopedia.

Taylor's Cutter Sharpening
5901 Warner Ave., Unit 173
Huntington Beach, CA 92649
(714) 865-2567
FAX: (714) 846-0676
Key Personnel: Ed Taylor, Tool & Cutter Grinder
We sharpen your KEY Machine CUTTERS with a grinding machine. Absolutely NO chemical sharpening. All work guaranteed. We also sharpen your 'Multi-Spur' and auger bits. We also sharpen scissors & knives. We also have training books to help you increase your business.

Woodward Mfg. & Sales Co. Inc.
P.O. Box 217
Oostburg, WI 53070
(414) 564-2323, (800) 558-3536
FAX: (414) 467-8428
Key Personnel: Elmer Hazen, Pres.; Larry Marker, VP; Jerry Johnson, Sales
Lectro Truck, a battery powered hand truck. One man moves load up to 600 lbs. and more. Maneuvers load with pushbutton ease up and down steps, on and off trucks, semis, vans, loading docks, around corners, over landings, bulkheads. Strong steel construction moves with greater safety 1500 lb. load.

LSM
LOCKMASTERS SECURITY MANAGEMENT™
Providing quality tools, parts, and service for the security professional.
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Scottsdale, AZ 85260
(602) 451-1316
FAX: (602) 451-8187
Territory: AZ, NM, CO, UT, NV

G. C. Ratcliff Co. Inc.
2430 So. 20th St.
Phoenix, AZ 85034
(602) 258-5535
FAX: (602) 252-0148
Salespeople: Bill Bailes, Bud Ratcliff, John Hamilton, Dawn Graves
Territory: AZ, New Mex., El Paso, TX

Randy M. Rehling
4175 W. Crocus Dr.
Phoenix, AZ 85023
(602) 938-1434
Salesperson: Randy Rehling
Territory: AZ, NM, El Paso, TX, Las Vegas, NV

CALIFORNIA
A & M Sales, Inc.
P. O. Box 5098
Huntington Beach, CA 92615
(714) 549-5003
FAX: (714) 549-7115
Salespeople: Allan Oblath, Marsha Oblath, Juan Jose Solano, Alan Thorp
Manufacturers' representatives to the locksmith and security trade; contract and builders hardware dealers. Covering the states of southern California, southern Nevada, and Arizona.
Territory: So. CA, So. NV, AR

Bes-Marketing Co.
2311 Elda St.
Brosbury, CA 91010
(818) 359-7579
FAX: (818) 358-9169
Salespeople: Denis Daines, Georgia Daines, Bob Iperna, Chuck Wilson, Bill Spivens
Territory: So. CA, Las Vegas, NV, AZ, New Mex., El Paso, TX

Brownell-Phillips, Inc.
P.O. Box 321
Tustin, CA 92681
(714) 544-8003
FAX: (714) 544-9301
Salespeople: J. Michael Brownell, AHC; Thomas Phillips; Doug Green; Arthur H. Brownell, AHC
Territory: So. CA, AZ, Las Vegas, NV

Cimaron Pacific
2795 Cherry Hills Dr.
Discovery Bay, CA 94514
(510) 634-3595
FAX: (510) 634-7577
Salespeople: Mart Murphy, Gary Smith
Territory: No. CA, No. NV

Coffman Associates
1531 Eagle Park Rd.
Hacienda Heights, CA 91745
(818) 810-7337
FAX: (818) 8107337
Salespeople: Barry Coffman, Harry Sonneman
Territory: So. CA, NV, AZ

Franken and Associates
20746 Elfin Forest Rd.
Escondido, CA 92029
(619) 744-0366
FAX: (619) 744-0366
Salespeople: Suz Franken, Kelly Sadowski
Territory: So. CA

Johnston & Dean
11923 Salem Dr.
Granada Hills, CA 91344
(818) 831-7788
FAX: (818) 894-0280
Salespeople: Ellen Johnston, John Dean
Territory: So. CA, AZ, So. NV

Nicolai & Associates
108 N. McPherson Rd.
Orange, CA 92669-3721
(714) 538-5515
FAX: (714) 538-9339
Salespeople: Steve Nicolai, Peter Nichols, Rick Homes
Territory: So. CA, So. NV, AZ

Pacific Marketing Agency
P.O. Box 1274
1437 Junewood Pl.
Manteca, CA 95336
(209) 823-9001
FAX: (209) 825-5447
Salespeople: Tom Jackson, Helyett Jackson
Territory: No. CA, NV

Security West Co.
2211 E. 69th St.
Long Beach, CA 90805
(310) 630-3134
FAX: (310) 630-8504
Salespeople: Jeff Johnson, Dick Berreman
Territory: So. CA, AZ

Carefree Unlimited
c/o Spectrum Associates, Inc.
1240 N. Jefferson, Suite M
Anaheim, CA 92807
(714) 630-6977
FAX: (714) 630-3061
Salesperson: Dick Jensen
Territory: So. NV, So. CA, HI

Sprinkle & Associates, Inc.
2031 E. Cerritos Ave., Bldg. 7 Ste. 7B
Anaheim, CA 92806
(714) 491-9320
FAX: (714) 491-9496
Salespeople: Bill Sprinkle, Don Mears, John Lauer, Frank Caver
Territory: So. CA, So. NV, AZ

CANADA
Ironmonger
5200 Dixie Rd. #32
Toronto, Ont. Canada L4W 2A7
(416) 629-4900
FAX: (416) 629-7730
Salespeople: Paul Boyd, Paul Wrincki
Territory: Eastern Canada

The Lauderdale Sales Co.
16 Richview Rd., Suite 1106
Etobicoke, Ont. M9A 4M6
(416) 243-5354
FAX: (416) 244-7765
Salespeople: Barry Lauderdale, Robert Renaud
Territory: Eastern Canada

Mac Idens Ltd.
1497 Adanac St.
Vancouver, BC Canada V5L 2C4
Phone: (604) 253-7558
FAX: (604) 662-8460
Salesperson: Margi Maclden
Territory: W. Can.

COLORADO
Cofrank-Steele & Assoc., Inc.
2650 W. 2nd Ave., Unit 13
Denver, CO 80219
Phone: (303) 922-3692
FAX: (303) 922-8573
Salespeople: George Cofrank, Brad Steele
Territory Covered: CO, UT, WY, MT, ID, NM, El Paso TX

The Florentine Co.
7694 W. Coal Mine P.
Littleton, CO 80123
(303) 973-4461
FAX: (303) 973-4813
Salespeople: Tony Florentine, Susan Florentine, Jennifer Florentine
Territory: CO, UT, New Mex., WY

Sweeney Associates
920 E. 17th Ave.
Denver, CO 80218
(303) 860-1882
FAX: (303) 832-8751
Salespeople: Mike Sweeney, Mary O'Cana, Office Mgr., Kevin Lynch
Territory: CO, UT, NM, WY, ID, MT, El Paso County, TX

CONNECTICUT
Devine Sales
P.O. Box 572
Tariffville, CT 06081
(203) 651-7240
FAX: (203) 651-9369
Salesperson: Joseph P. Devine

Kevin Kelaher Associates
1317 Corbin Ave.
P.O. Box 1928
New Britain, CT 06050-1928
(203) 224-9234
FAX: (203) 826-1103
Salespeople: Kevin Kelaher, Pres.; Jim Kelaher, V.P.; Joe Devine; Leslie Saunders; Emily Kelaher
Territory: New England
Manufacturer's representatives for New England. Specialize in sales to locksmith wholesalers, hardware wholesalers, OEM accounts, contract hardware accounts and specialty markets.

FLORIDA
PASY/DLB & Associates
93 NW 166 St.
Miami, FL 33169
(305) 947-4852 (800) 722-4549
FAX: (305) 949-6620

Rand Mark, Inc.
P.O. Box 5283
Ft. Lauderdale, FL 33310-5283
(305) 484-1284
FAX: (305) 484-6345

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Salespeople: A. Hank Stern, L. Jeff Stern
Territory: FL, except NW corner, GA

Sunbelt Sales, Inc
1050 Crystal Bowl CR
Casselberry, FL 32707
(407) 695-6166
FAX: (407) 695-4166
Salespeople: Ken Lund, Stan Schureman, Jason Lund, Diane Luna
Territory: FL

Suncoast Marketing Assoc., Inc.
143 8th Avenue North
Safety Harbor, FL 34695
(813) 724-1916
FAX: (813) 724-8206
Salespeople: Mike Barnett, Ed Skoaland, Jeff Barnett, Neal Boynton, Tom Melville
Territory: FL, GA, AL, NC, SC, TN

GEORGIA
Covil/Russom Associates
2289 Rushmore Dr.
Marietta, GA 30062
(404) 992-8725
FAX: (404) 992-0776
Salespeople: Mike Russom, Dave Covil
Territory: GA, AL, NC, SC, VA, East TN, FL

Giles & Associates
4713 Hammermill Rd.
Tucker, GA 30084
Phone: (404) 493-8811
FAX: (404) 491-1653
Salespeople: Brenda Bunay, George Giles, Greg Baugh, Angela Faircloth
Territory: GA, AL, TN

R.E. Perkola Representatives
P.O. Box 779
Buford, GA 30518
Phone: (404) 945-7854
FAX: (404) 271-0625
Salespeople: Robert Perkola, Charles Pendleton
Territory: GA, AL, E. TN.

S.B.S. Associates, Inc.
1530 Hillcrest Rd.
Norcross, GA 30093
(404) 923-9227
FAX: (404) 923-9262
Salespeople: M. Southard, L. Cleshier
Territory: VA, NC, SC, TN, GA, AL, FL, MS

ILLINOIS
Grotts & Associates
11727 S. Brightway
Mokena, IL 60448
Phone: (708) 479-1324
FAX: (708) 479-6364
Salespeople: Tom R. Grotts, William (Bill) Walsh
Territory: IL, No. IN, Sw WI, MI.

A.J. Hildebrand Co.
137 N. Oak Park Ave., Rm. 401
Oak Park, IL 60301
Phone: (708) 383-2333
FAX: (708) 383-1377
Salespeople: Gary Hildebrand, Robert Harrison, Michael Robinson, Don Shrader
Territory: No. IL, E. WI., Nw IN
Representing Von Duprin heavy duty panic/exit devices and related electrical security products and access control systems, magnetic locks and electric strikes; National Guard Weatherstrip, gasketing and thresholds; Markar Products, manufacturer of heavy duty continuous barrel type stainless steel hinges for retrofit and new applications

K-M Sales Inc.
P.O. Box 2082
Northbrook, IL 60065
Phone: (708) 564-1976
FAX: (708) 564-5602
Salespeople: David Shapiro, Marshall Shapiro
Territory: IL, So. WI.

Midwest Sales and Marketing Group
12701 Oak Valley Trail
Lockport, IL 60441
(708) 301-0604
FAX: (708) 301-8800
Salespeople: Richard Stukus, Jim Miller
Territory: IL, WI, NW IN.

Robert Perry Associates, Inc.
509 Lunt Ave.
Schaumburg, IL 60193
(708) 894-1700
FAX: (708) 894-3198
Salespeople: Robert Perry DAHC, CDI, CIS; James Enyart, AHI.; Sandra Perry, Elaine Jarzabek
Sandra Perry, Elaine Jarzabek.
Territory: IL, IN, WI

Gene Simon, Hardware Specialist
P.O. Box 51
Flossmoor, IL 60422
(708) 799-8783
FAX: (708) 799-4322
Territory: IL, IN, MI, MN, MO, OH, WI

Smith & Smith Sales Inc.
10928 S. Western Ave.
Chicago, IL 60643
Phone: (312) 238-5570
FAX: (312) 881-4258
Salespeople: Robert Smith, Donald Smith, Richard Smith
Territory: IL, WI

TriPower Marketing
420 Appley Ave.
Libertyville, IL 600481929
(708) 680-9460
FAX: (708) 6800150
Salespeople: Lance Jensen, Marge Ross, Jerry Sadowski
Territory: No. IL, S.E. WI, No. IN.

KANSAS
Huntsman Representation Inc.
10 Beechwood, P.O. Box 985
Hutchinson, KS 67504-0985
Phone: (316) 665-8780
FAX: (316) 665-8780
Salespeople: Wayne Huntsman, Wanda I Huntsman.
Territory: MO, IA, NE, KS.

LOUISIANA
Lem McCoy Associates
2424 Chestnut St.
New Orleans, LA 70130
(504) 895-8818
FAX: (504) 895-7228
Territory: LA, MS

MARYLAND
Bay Sales Co.
P.O. Box 86
Fallston, MD 21047
Phone: (410) 877-1733
Salesperson: Timothy Flanigan
Territory: MD, DC, VA, DE.

Fallows And Associates Inc.
2322 Hancolt Rd
Timonium, MD 21093
(410) 252-1331
FAX: (410) 2526134
Salesperson: Jim Fallows, Bob Hicks, Dale Schawitsch, Jeanie Fischer
Territory: MD, Wash. DC, DE, VA

R.L. Frazier Inc.
19600 Walter Johnson Rd.
Germantown, MD 20874
(301) 428-9410
FAX: (301) 428-1718
Salespeople: Paul Frazier, Lee Frazier, Steve Rowles, Randy Jump.
Territory: MD, VA, DC

JDL Associates
4941 Brampton Parkway
Ellicott City, MD 21043
(410) 750-2225
FAX: (410) 750-1052
Salesperson: Jeffrey Luther
Territory: MD, Wash. DC, VA, E.PA, S. NJ, DE

Patton Associates, Inc.
9057 Shady Grove Court
Gaithersburg, MD 20877
(301) 258-8844
FAX: (301) 948-7707
Salespeople: H.T. Patton, Jr., J.A. Hardesty
Territory: MD, VA, Wash. DC

MASSACHUSETTS
Bullard Associates
66 Walnut St.
Dedham, MA 02026
Phone: (617) 329-2299
FAX: (617) 329-4438
Territory: New England

Perlman Associates
P.O. Box 45 Accord Branch
Hingham, MA 02018
(617) 749-1840
FAX: (617) 740-4647
Salespeople: Ralph Perlman, Irving Perlman
Territory: ME, NH, VT, MA, RI, CT

Roy Associates
P.O. Box 936
36 Pratts Jct. Rd.
Sterling, MA 01564
(508) 422-8641
FAX: (508) 422-3467
Salespeople: Bob Roy, Del Monroe, Steve Monroe, Tim Roy, Penny Blankenship, Norm Langlais
Territory: New England States

Smoot Associates
P.O. Box T
Norwell, MA 02061
(617) 659-1803
FAX: (617) 659-1801
Salespeople: Paul Smoot, Shelley Hudsen, Jim Dewar
Territory: New England

TED Associates
P.O. Box 73
S. Easton, MA 02375
Phone: (508) 238-8055
FAX: (508) 238-8058
Salespeople: Walter Elliot,
Territory: New England

Jerry Vinck & Associates
416 N. Moore St.
Lee's Summit, MO 64081
Phone: (816) 524-1039
FAX: (816) 525-1315
Salespeople: Michael Vinck, Jerry Vinck, Thomas Vinck
Territory: MO, KS, IA, NE, IL.

MICHIGAN
Gordon MacDonald Associates
725 South Adams Rd., Suite 161
Birmingham, MI 48009-6902
(313) 645-6250
FAX: (313) 647-9687

Continued on next page

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GORDON MCDONALD

Continued from previous page

Salesperson: Gordon.
Territory: MI, IN, N.W. OH

MINNESOTA
Galaxy Sales Inc.
41 10th Ave. North
Hopkins, MN
(612) 935-1919
FAX: (612) 935-9836
Salespeople: Dave Nessa, Gary Clifford, Skip Schultz, Bob Hammermeister, Tom Nessa
Territory: MN, SD, ND, IA, Western WI

HMR, Inc.
9065 Lyndale Ave., So.
Bloomington, MN 55420-3520
(612) 888-2122
FAX: (612) 884-4768
Salespeople: Zev, Carol, Jeff
Territory: MN, ND, SD, Western WI

Kenaco Inc.
12885 Gerard Dr.
Eden Prairie, MN 55346
(612) 944-2616
FAX: (612) 944-2616*5
Salesperson: Ken Anderson
Territory: MN, IA, WI, ND, SD, NB

Kado Associates Inc.
400 East 79th St.
Minneapolis, MN 55420-1253
(612) 881-1255
FAX: (612) 881-6893
Salespeople: Brian Lehert, Dan Steiter, Sharon Goetzke, Kado Kawamura
Territory: MN, ND, SD, Western WI

K. S. Sales
1023 Dwane St.
So. St. Paul, MN 55075
Phone: (612) 451-3504
FAX: (612) 457-0532
Salesperson: C.E. Garross
Territory: MN, W-Wise, ND, SD

M.R. Representatives
800 Transfer Rd., Suite 32
St. Paul, MN 55114
(612) 659-0801
FAX: (612) 659-0803
Salespeople: Ken Minehan, Mark Schrantz
Territory: MN, ND, SD, Western WI

Northern Market Representatives
3865 Granada Way North
Oakdale, MN 55128
(612) 779-7622
FAX: (612) 659-6641
Salespeople: George Hall, Paula Hall
Territory: MN, ND, WI, IA, SD, NE

MISSOURI
Jerry Vinck & Associates
419 N. Moore St.
Lee's Summit, MO 64081
Phone: (816) 524-1039
FAX: (816) 525-1315
Salespeople: Michael Vinck, Jerry Vinck, Thomas Vinck
Territory: MO, KS, IA, NE, IL

NEW JERSEY
Harris & Lobo
1050 Wall St. West
Lyndhurst, NJ 07071
(201) 935-7550
FAX: (201) 935-8738
Salespeople: John Zawrotnak, Wally Lobo, Todd Gertz, Mike Russo, Rob Skidmore
Territory: NY, NJ metro area

Herlo, Inc.
623 Eagle Rock Ave.
West Orange, NJ 07052
(201) 731-1600
FAX: (201) 731-7340
Salespeople: Richard Unice, Arthur Lelkowitz, Gilbert Wasserman, Hy Hoffman, Hy Mallen, Walt Duszynski, Carl Mattaliano
Territory: NY, NJ, Upstate NY

Koines & Alan, Inc.
P.O. Box 505
Chester, NJ 07930
(908) 879-7720
FAX: (908) 879-7220
Salesperson: Arthur Koines
Territory: NY, NJ

Dave Mc Fadden & Associates
624 Holly Hill Dr.
Brielle, NJ 08730
Phone: (908) 528-6607
Salesperson: Dave Mc Fadden
Territory: 13 states.

Paul J. Polke Co.
48 Oak St.
Clifton, NJ 07014
Phone: (201) 777-7500
FAX: (201) 777-0820
Salespeople: Ron Hasbrouck, Scott Lemmon, Eric Weinstein, Jim Braiden, Norm Stevens, John Rein.
Territory: All of the state of New York, No. NJ.

Triad Associates
903 Teaberry Lane
Brielle, NJ 08730
(908) 528-5658
FAX: (908) 223-8396
Salespeople: Stan Rosenthal, Dave Bryant, John Saladucha, William Lane
Territory: NY, NJ, Eastern PA, MD, DC

NEW YORK
CG Sales Company
Division of Gagliano Enterprises, Inc.
2677 Terrell Avenue
Oceanside, NY 11572
(516) 766-6549
FAX: (516) 536-5368
Salesperson: Carmen Gagliano
Territory: Northern NJ, NY State

Glezen Associates Inc.
13 Havens St.
Elmsford, NY 10523
Phone: (914) 592-3800
FAX: (914) 592-3813
Salespeople: Rich Hausler, Rachael Simons, Bob Wolfskehl, Fred York
Territory: NY, NJ, CT.
Manufacturers representatives for R.R. Brink, P.G. Henderson, Reese, Rixson-Firemark, F. L. Saino Mfg. and Von Duprin.

Michael H. Kaye
444 E. 82nd St.
New York, NY 10028
(212) 472-1573
Territory: NY Metropolitan area

The Landesman Group Inc.
222 Mottling Ave.
Tarrytown, NY 10591
(914) 631-6282
FAX: (914) 631-5787
Territory: Metro NY

The Mayer Agency
1848 Bennett Rd.
Pine City, NY 14871
(607) 732-2738
(607) 732-7997
Salespeople: Robert Mayer, Fran Johnson, George Mayer
Territory: Upstate NY

Tri-Star Sales
22 Tryon Ave.
Staten Island, NY 10312
(718) 948-6088
FAX: (718) 966-7531
Salespeople: Ian Salamon, Bob Mayer
Territory: NYC, Long Island, Westchester, No. NJ

NORTH CAROLINA
Everett Dukes Associates Inc.
7517 Orr Rd.
Charlotte, NC 28213
(704) 596-6050
FAX: (704) 596-6060
Salespeople: Mickey Lawson, Everett Dukes Jr., Mark Dukes, Teresa Helms, Jay Woodard
Territory: Carolinas, VA, East TN

Mc Dowell Sales
4000 Rounding Run
Charlotte, NC 28277
Phone: (704) 541-0439
FAX: (704) 541-5245
Salesperson: George Mc Dowell
Territory: NC.

O'Neill Associates
2317 Cloister Dr.
Charlotte, NC 28211
(704) 366-7589
FAX: (704) 365-6417
Salespeople: T.B. O'Neill, DAHC; A.B. Harrington, AHC.
Territory: NC, SC, 1/4 GA, 1/2 TN, 1/2 VA

Tsantes & Assoc.
9237 Kings Canyon Dr.
Charlotte, NC 28210
(704) 541-6398
FAX: (704) 541-6397
Territory: NC, SC, GA, FL

Youngblood Associates Inc.
4475 Morris Park Dr., Suite L
Charlotte, NC 28227
Phone: (704) 545-4545
FAX: (704) 545-5060
Salespeople: Dave Youngblood, William Fellers
Territory: NC, SC.

OHIO
Associated Hardware Agents
P.O. Box 247
Wooster, OH 44691
(216) 264-8051
FAX: (216) 264-8035
Salespeople: Dick Maynard, Al Langtry, Larry Beson, Andy Schlicht, Jim Shanahan.
Territory: Ohio, W. PA., W VA

Barnaby Associates
7792 Olentangy River Rd.
Worthington, OH 43085
(614) 846-0620
FAX: (614) 846-4881
Salespeople: Richard Barnaby, Susan Barnaby, Richard Kiefer, AHC, C.D.C.; Michael Stevenson, A.H.C., Mt. Dan Price
Territory: Ohio, W. PA, W. VA, IN, KY

Barrett Group Inc.
6170 Centre Park Dr.
Maineville, OH 45039
(513) 779-9350
FAX: (513) 779-1410
Salespeople: Tom Barrett, Mary Barrett, Fritz Graf, Bruce Smythe, Stu Steck
Territory: Ohio, KY, W. VA, W. PA

Bockett & Associates, Inc.
1933 State Rt. 61
Norwalk, OH 44857-9762
(800) 321-7550
FAX: (419) 663-1588

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BOCKET & ASSOC.

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Salespeople: John Bockert,Pres.; Paulette Michener Bockert, Ofc. Mgr; Jack Lane, AHC; Jeff Nill
Territory: MI, OH, IN, KY, W. VA, Western PA, upstate NY, Ontario.
Locksmith equipment, security hardware, architectural hardware and doors, access control.

Burson Brothers
24015 Bruce Rd
Bay Village, OH 44140
(216) 871-5952
FAX: (216) 871-5696
Salespeople: Jack Burson, Don Burson, Dave Burson
Territory: OH, W.VA, MI

EGE
20728 Erie Rd., Suite B
Rocky River, OH 44116
(216) 331-2868
FAX: (216) 331-1790
Salespeople Ernest Green, Edward C. Olbrys
Territory: OH, W. VA, W. PA

Lent and Associates
6591 Blackhawk Circle
Westerville, OH 43081
(614) 891-5535
(614) 891-5577
Salesperson: Gene Lent, Mike Lent
Territory: OH, IN, KY, W. VA, W. PA

Howard W. Murray Company
28901 Clemens Rd
Westlake, OH 44145
(216) 835-9390
(216) 835-3776
Salespeople: Mike Murray, Jim Murray, Todd Murry
Territory: OH, MI, IN, W. PA, W. VA

Ed O'Grady
P.O. Box 29213
Columbus, OH 43229
(614) 882 6800
FAX: (614) 898-9094
Salesperson: Ed O'Grady
Territory: W. PA, KY, OH.

The Roach Co.
1600 Jupiter Ave.
Hilliard, OH 43026
(614) 771-6006
FAX: (614) 771-6007
Salespeople: Bill Roach III, Peggy Roach
Territory: OH, KY
The Roach Company is a manufacturing representative agency, selling wood and fiberglass doors, key cabinets, decorative brass door levers, thresholds, weatherstripping, foot grates and mats, grab bars, hand rail systems and shower seats

Stanley Tepper & Co. Inc.
6405 Gates Mills Blvd.
Cleveland, OH 44124
(216) 461 6110
FAX: (216) 461-1213
Territory: OH, W. VA, W. PA

OKLAHOMA
Tedco Agency, Inc
1101 Enterprise Ave., Suite 3
Oklahoma City, OK 73128
(405) 948-1622
Salespeople: Ted Bunga, Linda Bunga, Michael Quinnet
Territory: OK, AR

PENNSYLVANIA
AHA Inc
418 Manordale Dr.
Pittsburgh, PA 15241
(412) 831-7877
Territory: OH, W.VA, W. PA.

R L Larrabee Mfg. Agency Inc.
600 Haverford Rd.
P.O. Box 217
Haverford, PA 19041
(610) 642-0105
FAX: (610) 642-0130
Salespeople: Stephen Larrabee, Larry Larrabee
Territory: So NJ, E. PA, DE, MD, Wash. DC, VA

Mid-Atlantic Agents, Ltd
14 Cambridge Rd.
Downingtown, PA 19335
(215) 458-0390
FAX: (215) 458-0261
Salespeople: Robert Cole, Richard Manley, Whit Summers, Ed Linaugh.
Territory: NJ, PA, DE, MD, DC, VA

Palmer & Golden Sales Inc.
P.O. Box 572
Havertown, PA 19083-0572
(215) 328-4888
FAX: (215) 328-4199
Salespeople: Joel K. Golden.
Territory: PA, So NJ, DE, MD, DC, VA

Sporkin Associates Inc.
520 Abbott Dr.
Broomall, PA 19008
(215) 544-6060
FAX: (215) 544-8040
Salespeople: Mel Sporkin, CDC; George E. Esposito, AHC/CDC, Branch Mgr.; Sam Abramowitz, Sales
Territory: S. NJ, E. PA, DE, MD, VA, Wash. DC
2 branch offices (MD) (PA) - 9 employees CDC Certified Door Consultant and AHC - Architural Hardware Consultants on staff

TEXAS
Clark & Shuck Associates, Inc.
11311 Harry Hines, Suite 602
Dallas, TX 75229
(214) 247-4692
FAX: (214) 246-3606
Salespeople: Don Clark, Con Shuck, Mike Clark, Dave Popovich, Greg Shuck
Territory: TX, OK, AR, Shelby Co. LA

Door Controls
P.O. Box 292725
Lewisville, TX 75029
(214) 317-4477
FAX: (214) 317-2700
Salesperson: Bryan R. Sanderford
Territory: TX, OK, AR, LA
Dorronics - electromagnetic locks - Crypto code - stand alone access control Ensec - remote dialup access contro. International Integrated - CCTV Tomsed - turnstiles.

Galis Enterprises, Inc.
P.O. Box 13334
Arlington, TX 76094
(817) 461-2079
FAX: (817) 860-6999
Salespeople: Martin Galis, Eric Klein
Territory: TX, OK, AR
With more than 15 yrs. experience, we have represented Adams-Rite and Security Door Controls (SDC) for all of that time

Howard Sales Co
4625 Ripley Dr.
El Paso, TX 79922
(915) 833-7733
FAX: (915) 833-7770
Salesperson: Bill Uhlig
Territory: US

Long-Mc Michael Inc.
11034 Shady Trail, #110
Dallas, TX 75229
(214) 351-4813
FAX: (214) 351-4903
Salespeople: Joe Long, Ted Mc Michael, Mike Waltrip
Territory: TX, OK, AR, LA.

Sanderford & Associates
P.O. Box 292725
Lewisville, TX 75029
(214) 317-4477
FAX: (214) 317-2700
Salespeople: Bryan R. Sanderford, John Chorey
Territory: TX, OK, LA, AR

Security Hardware Marketing Co.
14580 E. Beltwood Parkway, Suite 107
Dallas, TX 75244
(214) 960-2002
FAX: (214) 960-2029
Salesperson: Tony Whitley, Sr.
Territory: TX, OK, LA, AR, MS, KS, W.Tn
13569 Pesera Ct.
Corpus Christi, TX 78418
(512) 949-0553
FAX: (512) 949-0631
Tony Whitley, Sr.; Larry Kern; Tony Whitley, Jr.; Larry Pritchard
Territory: Same as above

H. L. Simon Company
1314 Huntington Dr.
Richardson, TX 75080
(214) 234-8009
FAX: (214) 234-0339
Territory: TX, OK, KS, AZ, UT, CO, NM

UTAH
Nelson & Associates
927 E. Millstream Way
Bountiful, UT 84010
(801) 295-0328
FAX: (801) 295-4535
Salesperson: Mel Nelson
Territory: UT, CO, ID, WY, MT

WASHINGTON
R. Dulin & Son Inc
2217 Broadway
Everett, WA 98201
Phone: (206) 252-1200
FAX: (206) 259-4355
Salespeople: Gene Hedrick, Mary Peterson, Mike Dulin.
Territory: OR, WA, AK, ID

Frank J. Martin Co
8512 20th Ave. NE
Seattle, WA 98115
(206) 523-7665
FAX: (206) 523-9876
Salesperson: Marty Martin, Beth Nielsen
Territory: WA, OR, AK, ID,
BC, Alberta

Roger Ponto Associates, Inc
12816 N.E. 125the Way
Kirkland, WA 98034
(206) 821-2996
FAX: (206) 823-9827
Territory: AK, WA, OR, ID,MT, HI

WISCONSIN
Donald A. Loss Associates Inc
P.O. Box 340260
Milwaukee, WI 53234
(414) 384-4448
FAX: (414) 384-5577
Salespeople: Jeff Loss, Matt Loss
Territory: WI.

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Associations

NATIONAL
American Lock Collectors Assn.
Contact: Charles Chandler
36076 Grennada
Livonia, MI 48154
(313) 522-0920
Members from: U.S.
Number of members: 250

American Society for Industrial Security
Contact: Susan Melnicove
1655 N. Ft. Myer Dr., #1200
Arlington, VA 22209
(703) 522-5800
FAX: (703) 243-4954
Members from: Internationally
Number of members: 25,000
Trade Show: ASIS 40th Annual Seminar & Exhibits
September 26-29, 1994 Las Vegas

Associated Locksmiths of America (ALOA)
Contact: Charles Gibson, Jr.
3003 Live Oak St.
Dallas, TX 75204
(214) 827-1701
FAX: (214) 827-1810
Members from: 50 states and foreign
Number of members: 10,000
Meetings: July 17-23, 1994, ALOA '94 Las Vegas
See ads on pages 80, 119

Builders Hardware Manufacturers Assn.
Contact: Peter Rush
355 Lexington Ave.
New York, NY 10017
(212) 661-4261
FAX: (212) 370-9047
Members from: worldwide
Number of members: 80
Meetings: Annual Mfg. October, Spring Mfg. April.

The Door & Hardware Institute
Contact: Richard M. Hornaday
14170 Newbrook Dr.
Chantilly, VA 22021-2223
(703) 222-2010
FAX: (703) 222-2410
Members from: Door & Arch. Hardware Commercial Security
Number of members: 6,000
Meetings: once a year
Trade Show: Door & Hardware Inst. Annual Convention, October 15-18, 1994 Miami Beach, FL

Institutional Locksmiths' Assn.
Contact: Peter G. Femino, Jr.
P.O. Box 4097
Dedham, MA 02026-0902
(617) 577-5409
FAX: (617) 577-5343
Members from: Internationally
Number of Members: 400+
Meetings: Varied

Lock Museum of America
Contact: Thomas Hennessy
P.O. Box 104
130 Main St.
Terryville, CT 06786
(203) 589-6359 Tel & Fax
Members from: Worldwide
Number of members: 600
Meetings: 1st Friday of the month.

National Burglar & Fire Alarm Assn.
Contact: Katherine O'Neill
7101 Wisconsin Ave.
Suite 1390
Bethesda, MD 20814-4805
(301) 907-3202
FAX: (301) 907-7897
Members from: nationwide
Number of members: 3,000+
Meetings: Quarterly

National Locksmith Suppliers Assn.
Contact: Patricia A. Lilly
1900 Arch St.
Philadelphia, PA 19103
(215) 564-3484
FAX: (215) 564-2175
Members from: U.S., Canada

Major MANUFACTURING, INC.

Every Installation
Is a Self-Portrait
Of the Person Who Did It.
Autograph Your Work with Excellence.

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S. FLORIDA CHAPTER

Continued from previous page

Members from: South FL
Meetings: First Thursday of the month

South Florida Locksmith Assn.
Contact: ChristinePorter-Busch
P.O. Box 14322
Ft. Lauderdale, FL 33302
(305) 681-6872
FAX: (305) 681-7646
Members from: Dade, Broward, Palm Beach, Monroe County
Number of members: 150+
Meetings: 3rd Thursday of the month.

State of Florida Board of Locksmiths, Inc.
Contact: Kathleen Reynolds
P.O. Box 215
Sanford, FL 32772-0215
(407) 322-4757
Members from: FL
Number of members: 66
Meetings: November, February, May.

GEORGIA

Dixie Locksmith Assn.
Contact: Sara Smith
129 Sunset Lane
Albany, GA 31705
(912) 888-7233
Members from: GA, TN, AL, FL, VA
Number of members: 123
Meetings: 1st Saturday of even months.

Georgia Chapter, ALOA
Contact: Buzz Whitman
P.O. Box 48088
Atlanta, GA 30362
(404) 455-6244
FAX: (404) 455-8080
Members from: GA
Number of members: 187
Meetings: 3rd Saturday of every other months.

HAWAII

Hawaii Chapter, ALOA
Contact: Thomas Carrion Jr.
91-919 Ft. Weaver Rd., Ste. 113
Ewa Beach, HI 96706
(808) 689-0332
Members from: HI
Meetings: 2nd Wednesday every other month.

ILLINOIS

Illinois Locksmiths Association
Contact: Joseph Stevens
707 S. Main
Marissa, IL 62257
(618) 295-3415
Members from: IL, IN, MO
Number of Members: 36
Meetings: 1st Sunday of each month

Greater Chicago Locksmiths Assoc.
Contact: Kathy Zaniolo, Pres.
6216 W. North Ave.
Chicago, IL 60639
(312) 622-0944
(708) 366-2094
Members from: IL, IN, WI
Number of members: 140
Meetings: 1st Wednesday of each month
Trade show: GCLA Midwest Trade Show, Sept. 1994

INDIANA

Associated Locksmiths of Indiana
P.O. Box 2714
Indianapolis, IN 46206
Members from: IN
Number of members: 60+
Meetings: 3rd Wednesday of the month

Central States Locksmith Assn.
Contact: David Kerr
6 Carol Ct.
New Albany, IN 47150
(502) 244-7077
FAX: (502) 244-7076
Members from: No. KY, So. IN
Number of members: 25
Meetings: 3rd Wednesday of the month

Northern Indiana Chapter, ALOA
Contact: John Boyer
543 Pike St.
Wabash, IN 46992
(219) 563-1998
Members from: No. IN, So. MI, Nw OH.
Number of members: 20
Meetings: 4th Monday of the month.

Southern Indiana Chapter, ALOA
Contact: Lloyd Graham
P.O. Box 133
Huntingburg, IN 47542
(812) 683-4811
Members from: Southwestern Centra Indiana
Number of members: 20
Meetings: 3rd Sunday every other month.

IOWA

Iowa Locksmith Assn.
Contact: Kenneth Novey
125 School St.
Marion, IA 52302
(319) 377-4295
Members from: IA
Number of members: 75
Meetings: Every other month.
Trade Show: MINK, Sept. 1993.

KANSAS

Great Plains Locksmith Assn.
Contact: Denise Davidson
1715 Ave. A
Dodge City, KS 67801
(316) 225-1701
Members from: KS
Number of members: 34
Meetings: Bi-monthly.
Trade Show: January 8, 1994

Kansas Chapter, ALOA
Contact: Elvis Hammerschmidt,CPL
706 Allen
Hays, KS 67601
(913) 625-3969
Members from: KS
Number of members: 22

KENTUCKY

Central States Locksmith Association
Contact: David Kerr
6 Carol Ct.
New Albany, IN 47150
(812) 948-0569, (502) 244-7077
Members from: IN, KY
Meetings: 3rd Wednesday of the month.

Kyana Chapter, ALOA
Contact: Ken Schwedler,CML
206 N. 4th St.
LaGrange, KY 40031
(502) 222-1955

LOUISIANA

Ark-La-Tex Locksmiths Assn.
Contact: Bill Warren
P.O. Box 44337
Shreveport, LA 71134-4337
(318) 222-1433
Members from: LA, TX, AR
Number of members: 76
Meetings: 2nd Tuesday, every other month.

Louisiana-Mississippi Locksmith Assn.
Contact: Donald Rule', CML
2314 Turkey Creek Rd.
Starkville, MS 39759
(601) 324-2658
Members from: LA & MS
Number of members: 160 +
Meetings: Oct. and March
Trade Show: LouMiss Spring Convention
March 18-21, 1994

MAINE

Pine Tree State Locksmith Association
Contact: Maurice Robichaud, CPL
79 Chestnut St.
Lewiston, ME 04240
(207) 784-5085
FAX: (207) 782-2415
Members from: ME
Number of members: 92
Meetings: 2nd Tuesday of the month

MARYLAND

Maryland Locksmith Assn.
Contact: Bob DeWeese, CPL
P.O. Box 12398
Balto, MD 21281-2398
(410) 633-0111
Members from: MD, DC, VA, DE, PA
Number of members: 125
Meetings: 3rd Tuesday of the month.

MASSACHUSSETS

Massachusetts Chapter, ALOA
Contact: Robert Whitmarsh
200 Weir St.
Taunton, MA 02780
(508) 823-4649
FAX: (508) 880-6385
Members from: MA
Number of members: 50
Meetings: 2nd Monday of September, December, March, June.

Massachusetts Locksmiths Assn, Inc.
Contact: Marie Ubri
P.O. Box 2384
Woburn, MA 01888
(617) 893-2117
Members from: Springfield MA to Cape Cod
Number of members: 260
Meetings: 2nd Wednesday & 3rd Wednesday
Trade Show: Massachusetts Locksmiths Assn. Mini Show

Massachusetts Locksmiths Association, Central Group
Contact: Seth Deraerian
P.O. Box 262
Worcester, MA 01613
(508) 757-1434
Members from: central MA
Meetings: 3rd Wednesday of the month

MICHIGAN

Locksmith Security Assn.
Contact: Salvatore Dulcamaro, CML
19559 14 Mile Rd.
Clinton Twp., MI 48035

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South Jersey Locksmith Assn.
Contact: Gene George
239 Rhode Island Rd.
Brown Mills, NJ 08015
(609) 893-5596
Members from: NJ, PA
Number of members: 75
Meetings: 4th Tuesday of the month.

NEW MEXICO
New Mexico Chapter, ALOA
Contact: William Faagen
4200 Wyoming Blvd. NE
Albuquerque, NM 87111
(505) 293-6555

New Mexico Locksmiths Assn.
Contact: Steven Highland, CML
1040 1 DelcadoPl., NE
Albuquerque, NM 87111
(505) 884-7444
FAX: (505) 884-8585
Members from: NM
Number of members: 170
Meetings: Central Chapter, 2nd Saturday of the month, SE Chapter & So. Chapter, Quarterly

NEW YORK
Central New York Locksmiths Assn.
Contact: John Rosko
P.O. Box 115
Chittenango, NY 13037
(315) 687-3655
FAX: (315) 472-0958
Members from: 75 mile radius from Syracuse
Meetings: 3rd Sunday of the month.

Nassau Suffolk Master Locksmith Assn., Inc.
Contact: Gregory Scala
112 Broadway
Amityville, NY 11701
(516) 691-5837
Members from: Nassau County & Suffolk County
Number of members: 147
Meetings: Last Tuesday of the month.

New York Master Locksmiths Association
Contact: Brian Star
1558 Second Ave.
New York, NY 10028
(212) 535-2289
Members from: New York City
Number of members: 60
Meetings: First Tuesday every month.

NORTH CAROLINA
North Carolina Locksmith Assn., Inc.
Contact: Kathy Stewart
809 Wicker St.
Burlington, NC 27217
(919) 227-7559
Members from: NC, SC, VA, FL OH, AL
Number of members: 300
Meetings: Quarterly

NORTH DAKOTA
North Dakota Chapter, ALOA
Contact: Todd Ladwig
1102 Main Ave.
Fargo, ND 58103
(701) 232-9440
FAX: (701) 232-9446
Members from: ND, NW MN
Number of members: 18
Meetings: Quarterly.

Northern Prairie Locksmith Assoc.
83 S. Terrace
Fargo, ND 58102
(701) 232-8579

OHIO
Ohio Valley Chapter, ALOA
Contact: Dave Schngen, CML
2061 Beechmont Ave.
Cincinnati, OH 45230-1664
(513)232-2424
FAX: (513)232-0088
Members from: OH, KY, IN
Number of members: 30-40
Meetings: 1st Wednesday of the month.

OKLAHOMA
Oklahoma Master Locksmith Assn.
Contact: A. B. Parker
415 Woodland Dr.
Midwest City, OK 73130
(405)732-8088
FAX: (405) 741-0001
Meetings: Quarterly 3rd weekend.
Members from: AZ, AK, CO, OK, TX, MO.
Number of members: 198
Trade Show: Oklahoma Locksmith and Safe Experts Exhibition, Feb. 18-20, 1994

OREGON
OAPL Oregon Association of Professional Locksmiths
Contact: Bonnie Swanson
(503) 928-9417
Meetings: 3rd Wednesday of each month.

Pacific Locksmith Association
Contact: Stan Hauer, CPL
P.O. Box 68
Dallas, OR 97338
(503) 325-7334
FAX: (503) 325-6003
Members from: OR & Northwest
Meetings: Monthly
Trade Show: NW Tri Regional Locksmith Conference in Portland, OR
Oct. 16-22, 1995

PENNSYLVANIA
Greater Philadelphia Locksmith Assn.
Contact: Bob Mock
P.O. Box 1101
Philadelphia, PA 19136
(609) 665-3386
Members from: PA, NJ, DE, MD, VA, KY, NY
Number of members: 195
Meetings: 3rd Monday of month
Trade Show: 44th Annual GPLA Convention and Awards Banquet
April 27-May 1, 1994

Keystone State Chapter, ALOA
Contact: Barry K. Leas
P.O. Box 261
Eagleville, PA 19408-0261
(610) 650-9292
FAX: (610) 650-9293

Members from: PA
Number of members: 40
Meetings: 3rd Tuesday of the month

Western Pennsylvania Locksmith Assn.
Contact: Leo S. Firanski
1009 4th Ave.
Coraopolis, PA 15108
(412) 262-5625
Members from: W. PA
Number of members: 75
Meetings: 1st Wednesday of the month.

RHODE ISLAND
Locksmith Association of Rhode Island
P.O. Box 9181
Providence, R.I. 02940-9181
Contact: Tom Pollortal, Pres.
(401) 944-9977

SOUTH CAROLINA
South Carolina Locksmith Association
Contact: Jeanie Griggs
P.O. Box 264
Camden, SC 29020
(803) 432-8099
FAX: (803) 424-0450
Members from: SC, NC, GA, TN
Number of members: 185
Meetings: Quarterly: Last full weekend of Jan, Apr, July, Oct

TENNESSEE
East Tennessee Locksmiths Association
201 W. Main St.
Johnson City, TN 37604
(615) 928-0926

Middle Tennesse Locksmith Association
Contact: Rick Cheatham
P.O. Box 733
Antioch, TN 37011-0733
(615) 790-2027
Meetings: Monthly

Smokey Mountain, ALOA
Contact: Marian M. Swann, CRL
P.O. Box 52923
Knoxville, TN 37950-2923
(615) 522-0841 (615) 453-7718
FAX: (615) 546-1046
Members from: East TN
Number of members: 75
Meetings: 1st Saturday of month

Tri-State Locksmith Association
Contact: John Singleton
1261 Wellsville Rd.
Memphis, TN 38117
(901) 685-1196
Members from: TN, MS, AR
Number of members: 8
Meetings: 1st Tuesday of each month

West Tennessee Chapter, ALOA
Contact: Pat Walker
1643 Bartlett Rd.
Memphis, TN 38134
(901) 372-7464
FAX: (901) 372-7464
Members from: W. TN, E.AR, No. MS
Number of members: 30
Meetings: 2nd Thursday of the month.

TEXAS
Greater Houston Locksmiths Assoc.
Contact: Paul N. Cheatham III
1100 Blackhaw
Houston, TX 77079
(713) 493-4855
FAX: (713) 293-7107
Members from: Greater Houston metro area and surrounding counties
Number of members: 170
Meetings: 2nd Tuesday of each month.
Trade Show: GHLA Trade Show

Locksmith Association of San Antonio
Contact: Wanda Robbins
P.O. Box 21156
San Antonio, TX 78221
(210) 923-4381
FAX: (210) 977-8398
Members from: Greater San Antonio area
Number of members: 120
Meetings: 2nd Thursday of month
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Northeast Texas Chapter, ALOA
Contact: L.A. Perry
1106 S. Main, Suite 3
Duncanville, TX 75137
(214) 296-6602
FAX: (214) 296-6785
Members from: Northeast TX
Number of members: 220
Meetings: 1st Tuesday of the month.

Safe & Vault Technicians Association (SAVTA)
Contact: Maurice Jones
3003 Live Oak Street
Dallas, TX 75204
(214) 821-7233
(214) 827-1810
Number of Members: 1,300
Safe Tech '94 Trade Show: 4/22-5/1, 1994
Austin, TX

Sunbelt Chapter, ALOA
Contact: James W. McElwee
1420 East 2nd
Odessa, TX 79761
(915) 335-0072
Members from: SW. TX, SE. NM
Number of members: 30
Meetings: 1st Saturday of every quarter.

Texas Locksmith Association
Contact: Butch Titus
2813-B East Southcross
San Antonio, TX 78223
(210) 532-8889
FAX: (210) 532-2119
Members from: all over the SW US
Number of members: 800

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Green Mountain Locksmiths Assn. Inc.
Contact: Dick Grant
4 Renkin Dr.
Colchester, VT 05446
(802) 655-7450
Members from: VT
Number of members: 40
Meetings: every other month

VIRGINIA
Institutional Locksmiths' Association
Contact: Luke Dennis, Pres
1402 Dorene Ct.,
Hampton, VA 23663
(804) 851-0895
Members from: Internationally
Meetings: Varies

WASHINGTON
Northwest Locksmith Assn.
Contact: Jeanne Lodge
238 S. Wenatchee Ave
Wenatchee, WA 98801
(509) 663-5610
FAX: (509) 662-8652
Members from: NW. WA
Number of members: 350
Meetings: 3rd Tuesday after the 2nd Wednesday

WEST VIRGINIA
West Virginia Tri-State Area Locksmith Assn. Inc.
Contact: Roger A. Casey
2846 Overlook Dr.
Huntington, WV 25705
(304) 522-2499
Members from: Tri-State Area, KY, OH, WV
Meetings: As called

WISCONSIN
Wisconsin Locksmith Association
Contact: Debra Soderland
9535 West Layton Ave.
Greenfield, WI 53228
(414) 327-5625
Members from: WI
Number of members: 30

WYOMING
Wyoming Locksmith Association
Contact: Gene Ficek CPL
521 Main St
Spearfish, SD 57783
(605) 642-4542
Members from: WY, SD, NE, MT, CO
Number of members: 34
Meetings: Quarterly: Jan., April, Aug., Oct

Wyoming Locksmith Assn., ALOA
Contact: Allen McCumber
1026 Alger Ave.
Cody, WY 82414
(307) 587-3035
Members from: WY, NE, SD, CO, MT
Number of members: 45
Meetings: Quarterly

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Test Article #34

GENERAL SECURITY

To be tested in December '94 issue
Details in front of issue

EMHART HIGH SECURITY CYLINDERS

"This is part of our security Certificate Program. In an upcoming issue, the content will be tested."

The Emhart High Security cylinder by Corbin Russwin, (*see illustration 1*) is a highly pick resistant cylinder which was patented in 1978. It offers a higher degree of key control by requiring special machinery to cut the keys. In addition to the standard configuration, it is available in an interchangeable core version which is also interchangeable with conventional Corbin Russwin six-pin cores. All cylinders are UL437 listed except the IC line.

Other high security cylinders were available at the time of its invention, but Emhart was the very first to offer end users an economical choice within a keying system. That is, it was the first high security mechanism which could be integrated with conventional cylinders in the same masterkey system.

Keyways

The Emhart cylinder is available with "System 70" depths in the most modern Corbin Russwin keyways. These include: the 59 Series, the 60, the 70, the D Series, the H Series, and the L Series.

Corbin Russwin also has restricted keyways which are compatible with the high security mechanism to offer an even higher degree of key control. Older keyways are not high security compatible. These are Corbin X Class, Russwin 752, 852, 981, A Series and N Series keyways.

Writing the Combination

All Emhart architectural hardware cylinders are six-pin. The cuts,

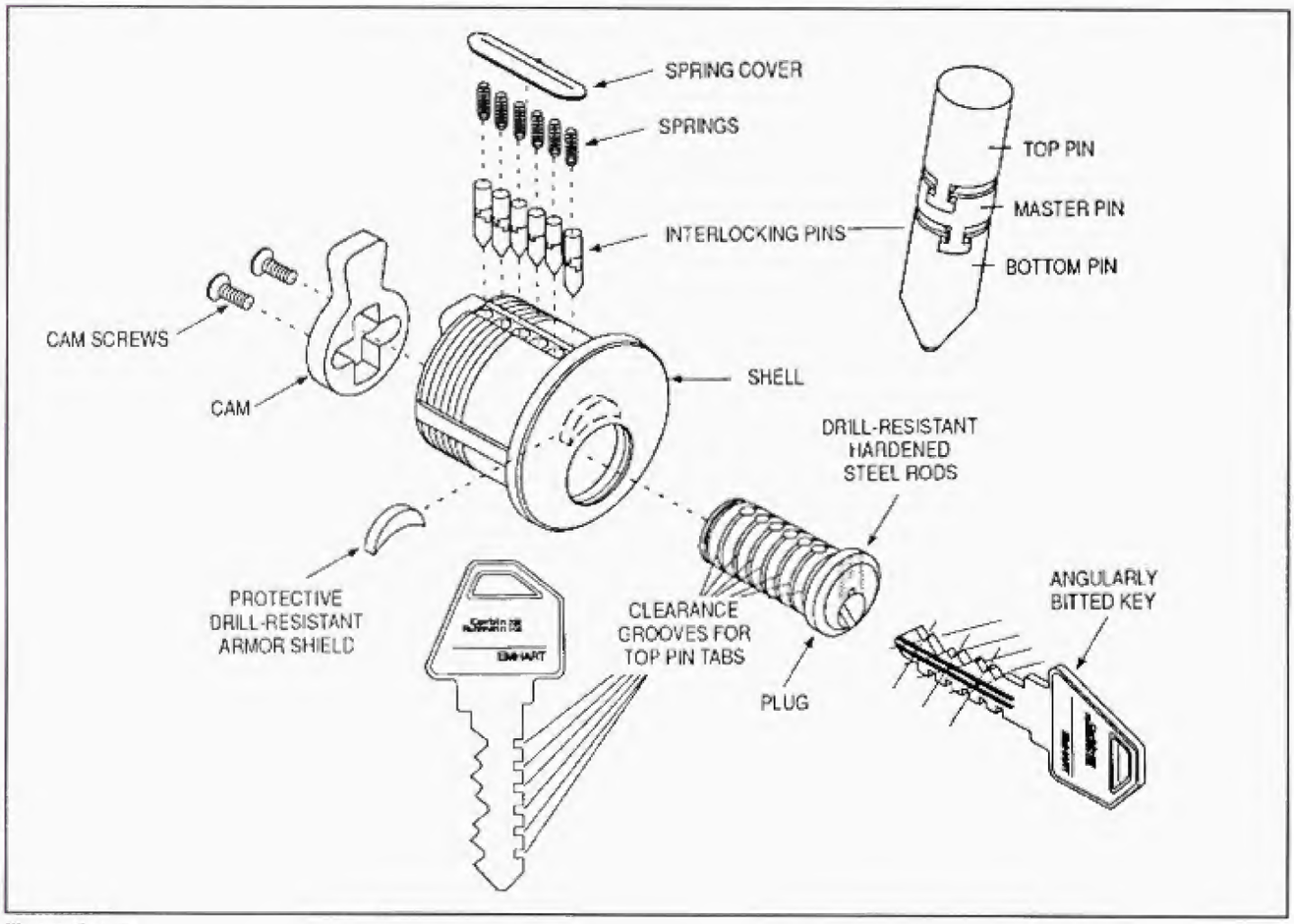


Illustration 1

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however, are not made perpendicular to the key blade. There are two angles, LEFT and RIGHT, which are currently designated L and R. In the past, those designations were 1 for LEFT and 2 for RIGHT. The angles, often called skews, are 20° from the perpendicular. There is no center (perpendicular) cut. (*See illustration 2.*)

The older angle designations, 1 and 2, are still seen on bitting lists, and were written in two ways, either as a subscript or in parentheses. Keys are read bow to tip. A written combination must include both cut depth and angle.

For example, a key with cuts 245633 and angles LRLRLR would be written as follows:

2L 4R 5L 6R 3L 3R

The two older notations for the same key are as follows:

$2_1 4_2 5_1 6_2 3_1 3_2$ or 2(1)4(2)5(1)6(2)3(1)3(2).

Key Depths

High security cylinders are only compatible with Corbin Russwin's "System 70" depths. System 70 combinations are read and written bow to tip. System 70 is a single step progression system using six depths labeled 1 through 6.

System 70's shallow 1 cut removes almost no material from the key blade. Therefore, a chisel pointed bottom pin would not have enough of a seat in the cut root for positive rotation. For this reason, high security cylinders use only depths 2 through 6.

You will find that the high security cuts are .006" deeper than the conventional ones. This is because the conventional pins are more blunt and cannot seat in the high security cut roots. They are held at their proper height by the sides of the V cuts of a high security key.

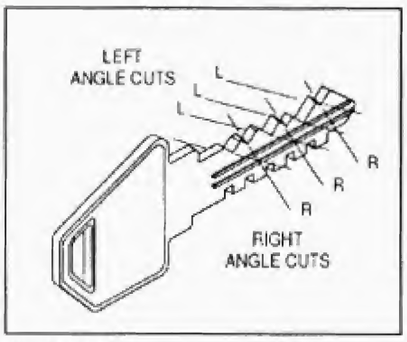


Illustration 2

Pin Lengths

Since there are five depths possible on an Emhart key, there are also five lengths of bottom pins. There are two lengths of top pins, whose selection is based on the length of the bottom pin (or bottom pin + master pin) in the chamber. (*See illustration 3.*)

Master pins have three lengths: (*See illustration 4.*)

Note: Pin lengths shown include the projecting "T" of master pins and top pins. Therefore, the overall length of the interlocked pin stack will be considerably less than the sum of these dimensions.

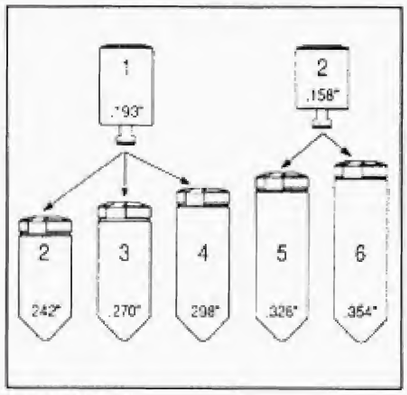


Illustration 3

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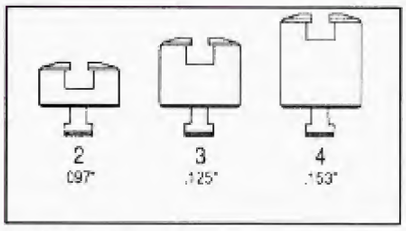


Illustration 4

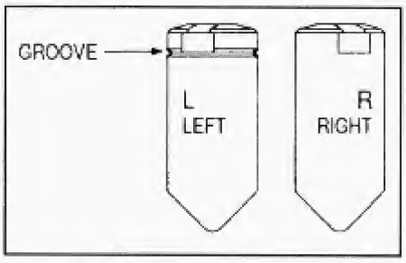


Illustration 5

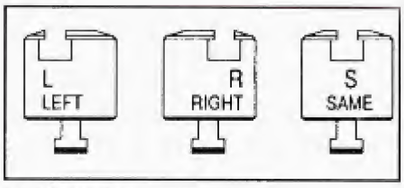


Illustration 6

Reading the Angle of a Pin

Bottom pins have two angle designations for each of their five lengths.

For ease in recognizing the angle of bottom pins, a groove is cut all the way around the top of all L pins. You can also hold bottom pins so that the chisel point is centered on the bottom and observe which direction the T-groove in the top points. It will either point LEFT or RIGHT. (*See illustration 5.*)

Master pins have three angles:

Reading a master pin's angle is similar to reading a bottom pin's angle, but there is no groove around the L angle pin. Hold the master pin with its interlocking tab centered on the bottom. Observe where the groove across the top points. It will either be Left, Right, or Straight in line with the tab on the bottom. (*See illustration 6.*)

Pin Selection

The angle of the bottom pin matches the angle of the key cut. When masterkeying, the angle of the bottom pin matches that of the *shallower* cut in that chamber. When the angles of the master key and change key are different, the angle of the *deeper cut* determines the angle of the master pin for that chamber (either L or R). When the master and change keys have the same angle, use an S. This angle was called a 3 in the old notation. L and R were I and 2, respectively. (*See illustration 7.*)

Handling the Pins

Caution: A plug follower *cannot* be used. The tab of the top pin extends below the shear line and rides in a groove cut around the plug at each pin chamber. All high security cylinders must be top loaded. Select the proper pins from the kit, interlock them in your fingers and drop the entire connected pin stack into its chamber.

Emhart high security cylinders must be top loaded. Remove the spring cover, dump the old pins, link the new pins together in your fingers and drop them in chamber by chamber. Corbin Russwin pin kit PK-70-HS not only accommodates regular high security cylinders, but also high security inter-changeable core, blockout and Brink function high security cylinders. (*See illustration 8.*)

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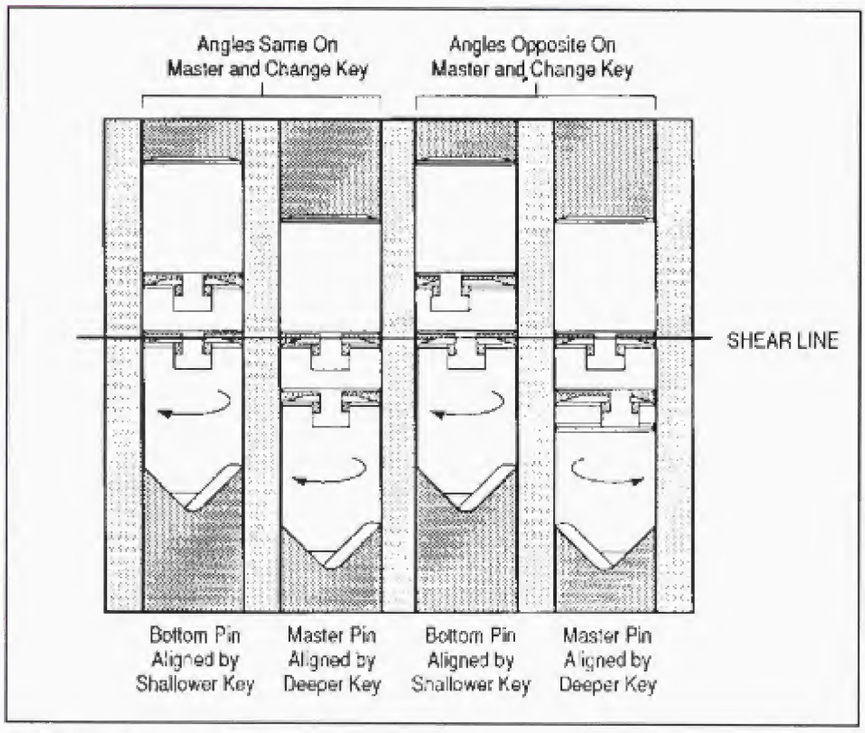


Illustration 7

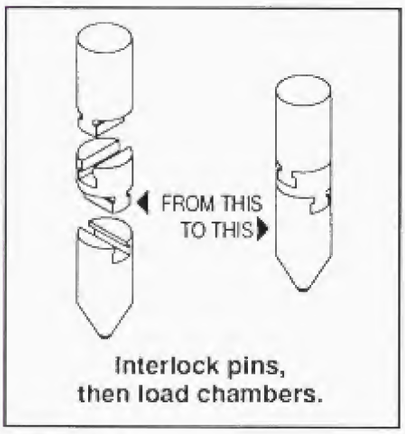


Illustration 8

Masterkeying Rules

If you are generating your own keying system, keep these rules in mind:

Rule 1. There is no #1 depth in high security keys.

Rule 2. The MACS is 4 when adjacent cuts have the same angle and 3 when they have opposing angles.

Rule 3. There is no #1 master pin. Therefore, all change keys must be at least two steps away from the master key, though they may vary by one step from each other.

Rule 4. Angles can be mixed within the same chamber and even the same depth when only high security cylinders are involved.

Rule 5. Mixture of high security and conventional cylinders in the same system must be planned from the inception of the system. Different angles cannot be of the same depth when that depth is used in a conventional cylinder. Conventional pins cannot differentiate between angles.

Rule 6. Item 5 above applies to the second and third chambers of high security interchangeable cores and the last chamber of blockout and Brink function cylinders, since conventional pins are used in those chambers.

Rule 7. Special rules apply to the last chamber of Brink and blockout function cylinders.

Further lock and keying specifications for the Emhart, as well as all Corbin Russwin cylinders are printed in Corbin Russwin's Cylinder Manual. This manual is available through Corbin Russwin distributors or Corbin Russwin at 203-225-7411.

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Test Article #35

AUTOMOTIVE SECURITY

To be tested in December '94 issue
Details in front of issue

DAY OF THE FORCE TOOL

"This is part of our security Certificate Program. In an upcoming issue, the content will be tested."

Of all the tools that raise controversy among the locksmith trade, none raise such a variety of opinions as do force tools. From one side, we hear how force tools are the tools of the nonprofessional, the tinkerer, the hack-man, the incompetent. On the other side, many view force tools as an effective, fast mean to an end - a finished job, a happy customer, and a quicker buck.

Regardless of any particular view, force tools form a substantial portion of the tool market within the trade. Therefore, it is critical that we, as professionals, understand the limits as well as the advantages of using these tools.

There are two warnings inherent with the use of a force tool. First, force tools are almost never the accepted manufacturer method for doing auto work (or any other type of work, for that matter), even when it may be less risky and more effective than accepted methods. When a force tool is used, it is done at the risk of the technician. An error in judgment or execution may cause some unexpected damage. Testing and using a tool before putting it into practice allows the user to better anticipate how well the tool will work, and what if any precautions need to be taken.

Second, because force is being used, there is no guarantee that the job is going to be as smooth as envisioned. Inconsistencies and changes in the tensile and shear strengths in the lock materials, as well as variations in applying the tool from one job to the next, mean no two jobs will turn out identical. In some cases the job may turn out text book, being completed without a single flaw. The next job, however, may support a deep seeded fear that you really are a descendent of Murphy.

As some general rules, force tools should never be used without previous experience and/or practice; they (like other tools) should never be used in ways or on jobs for which they are not designed; and, when using force tools, always have an alternate means for completing the servicing.

While there are many force tools available to accomplish varying jobs, all tend to fall into one of two categories: those that remove or bypass a shearline obstruction to allow operation or removal of the lock or operation of the attached mechanism; and those that apply enough pressure or force to defeat a shearline obstruction to allow operation or removal of the lock or operation of the attached mechanism.

Shearline in this case includes the lines of separation between a lock and its housing and the force needed to shear the retainers, roll pins or whatever means are used for lock or plug retention.

Methods that remove or bypass a shearline obstruction typically drill or cut away the tumbler or sidebar shearline or the retainers that hold the lock in place.

Methods typical of defeating a shearline include extraction tools and tools that force turn the lock's plug. [WARNING: Extreme caution should be used whenever using this type of force tool. Turning too far can damage the sector gear and/or rack on some vehicles. It is also recommended that the battery be disconnected. Because a sidebar or tumblers have been sheared, the ignition is prone to stay in the "START" position until manually returned to the "ON" position. Failure to do so may result in starter damage.]

Following is a small sampling of some of the force tools available and their use.

While General Motors eliminated ignition lock extraction when they introduced their bolt retained ignition, there is often a need for a fast inexpensive way of moving the vehicle.

The Side-Kick by Aable Locksmiths uses a guide and template to drill and remove the sidebar from the GM ignition, allowing it to be turned using a screwdriver. (*See photograph 1.*)

To use this tool, remove the wings from the face of the lock. (*See photograph 2.*) Before drilling the sidebar, the hardened faceplate must be removed. Insert the holesaw guide into the keyway. (*See photograph 3.*) Place the holesaw over the guide and carefully cut away the lip holding the hardened plate in place. (*See photograph 4.*) Insert a screwdriver into the hardened faceplate's keyway and pry it out. (*See photographs 5 and 6.*) With the plate removed, place the sidebar drill template on the ignition and drill for the sidebar. (*See photograph 7.*) With the sidebar drilled and cleared out of the way, use a screwdriver to turn the ignition.

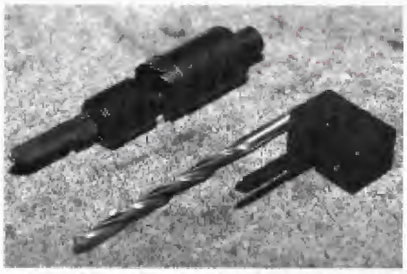
Another method for forced GM ignition turning is the #70 Magnum Force tool by Lock Technology, Inc. This tool allows the technician to apply enough force on the plug to shear the sidebar in the lock. This tool works on 1979 to 1990 GM vehicles except the W and F body (Lock Technology offers separate tools for these models), and all Chryslers with tilt columns.

To use the tool, remove the ignition wings. The Magnum, similar to a socket, fits snuggly over the ignition plug's face. Two studs on the tool fit into accompanying slots in the lock face. (*See illustration 8.*) Once the tool is securely in place on the ignition, use a 1/2" ratchet to turn the ignition to the "ON" position. Refer to the force tool warning given previously.

Another GM tool by Aable Locksmiths is the Persuader GM trunk opener. (*See photograph 9.*) This tool is most useful for fast trunk entry into GM trunks suffering from a popped tumbler retainer, although it serves just as well to open GM trunks

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1. The Side Kick by Aable Locksmiths allows sidebar drilling on the GM ignition lock.



2. Remove the GM ignition facecap.



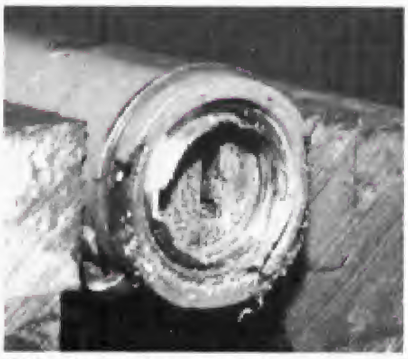
3. Place the holesaw guide onto the lock.



4. Use the holesaw to remove the soft metal lip that retains the faceplate.



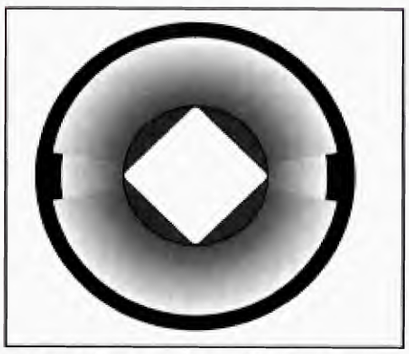
5. Pry the faceplate from the lock.



6.The faceplate removed.



7. After putting the drill guide in place, drill the lock's sidebar.



8. Used like a socket, #70 Magnum Force tool, by Lock Technology, Inc., facilitates the forced turning of the GM ignition plug. A bottom view of this tool shows where the two studs are that engage the face of the ignition.



9. The Persuader by Aable allows force turning of the GM trunk lock plug.

without any keys.

Using this tool on a lock without a key, first remove the facecap of the trunk lock. (*See photograph 10.*) Insert the tool into the plug of the lock, making sure the pegs on the tool go into the facecap spring holes found in the face of the plug. (*See photograph 11.*) Using an open end wrench, apply pressure to the tool until the lock turns and the trunk opens. (*See photograph 12.*)

The #GP1 G-Pull by A-1 Security Manufacturing Corp. is another force tool for GM trunk locks. Unlike the Persuader that force turns the plug, however, this lock forcibly extracts the plug from the lock cylinder.

To use this tool, remove the trunk facecap and dust cover. Screw the G-Pull into the top of the lock's keyway. Lower the extracting cylinder over the lock and slowly turn the large wing nut. Once the lock is extracted, a screwdriver can reach through the lock cylinder and into the latch release hub,opening the trunk. (*See photograph 13.*)

Now, how about the Ford five cut ignition. Here, also, there are tools that utilize various methods to accomplish ignition removal or plug turning.

The Ford Disc-Out by Aable Locksmiths, again uses a holesaw and drill guide to remove the hardened disk or pellet in front of the shearline. The technician is then able to shim the lock from the front, turn the ignition plug so that the retaining button can be depressed and remove the lock. (*See photograph 14.*)

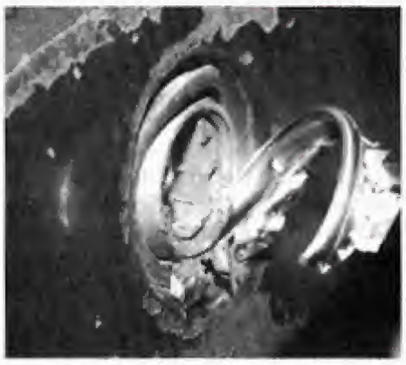
To use the Disc-Out, remove the winged facecap from the ignition. (*See photograph 15.*) Remove the detent pins from the lock. (*See photograph 16.*)

Place the drill guide in place over the front of the lock. (*See photograph 17.*) Insert the holesaw and carefully start to drill the front of the lock face. (*See photograph 18.*) When the drill has finished cutting, use a screwdriver to pry the hardened disc away from the lock. (*See photograph 19.*) Next, using the provided shims, shim the lock from the front. (*See photograph 20.*) Once shimmed, turn the ignition and depress the retaining button for removal.

The model #350A Automotive Lock Extractor Kit by Lock Technology incorporates several tools into one kit. This particular package offers parts capable of extracting the old style GM

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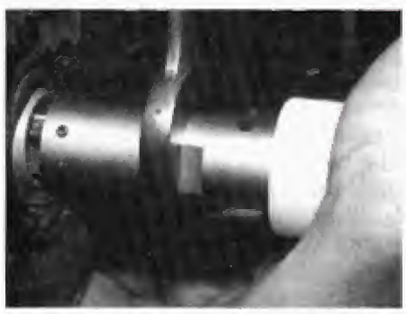
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10. Removing the GM trunk lock facecap.



11. Placing the Persuader onto the lock.



12. Applying steady pressure, turn the tool using a 3/4" open end wrench.



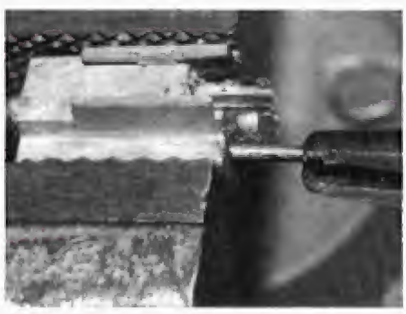
13. A-1's G-Pull extracts the GM trunk lock.



14. Aable's For Disc-Out.



15. Remove the ignition wings.



16. Pull out the detent pins.



17. Place the guide on the lock...



18. ...and drill.



19. The hardened plate removed...



20....the lock can be shimmed from the front.



21. Removing the ignition wings and remove the detent pins.

in-column ignitions, most foreign and domestic door and trunk locks, and the Ford five cut ignition.

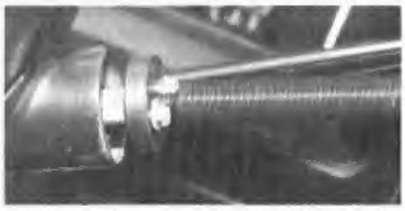
For extracting the Ford five cut ignition, remove the facecap wings and detent pins. (*See photograph 21.*) Then attach the Ford adapter plate to the front of the ignition. This plate has three holes in it. The two outside holes allow sheet metal screws through that are screwed into the detent pin holes of the ignition. The threaded center hole allows the adapter plate to be attached to the

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threaded center shaft of the extractor. (*See photograph 22.*)

Once in place, the pulling cylinder and center shaft nut are added. (*See photograph 23.*) Then, using an opened end wrench to turn the nut and an Allen wrench to hold the center shaft still (*see photograph 24*), the ignition is carefully pulled out of the housing. (*See photograph 25.*)



22. Lock Techology's Ford extraction kit attached to the ignition.



23. Ready to extract the Ford ignition.



24. While using the Allen wrench to hold the center shaft still, an opened end wrench is used to extract the lock.



25. The lock removed. Notice how the retaining pin has been broken out of the shell.

Some considerations should be taken when using this method. Anyone experienced with Ford columns is familiar with the plate and snap ring that hold the sector gear in place at the back of the ignition lock. In order for the ignition to be removed, the end of the tailpiece must be properly aligned with the hole in this plate. Under normal removal procedures, the tailpiece is aligned once the plug has been turned for depressing the retaining button.

Using the extractor, however, the tailpiece is not turned, and thus, not aligned with the hole in the plate. This results in one of three scenarios. In some instances, the tailpiece breaks and remains in place until turned and removed with a pliers. At other times the whole plug remains in tact and only the shell is pulled out. In this case, the plug is turned to the correct position and removed. More common, however, the tailpiece is pulled through the plate. This, of course, destroys the plate which must be removed and replaced.

Like the Ford five cut ignition, the Ford 10 cut also has various tools for removal. Aable Locksmiths offers the Quick-On force tool and the Ford Drill Block sidebar drill guide. Lock Technology offers the Sure Shot force tool and the #76 Ford Bypass drill guide. HPC offers the ITF-14 drill guide.

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The Quick-On and the Sure Shot are similar in concept, although each has a unique method for making a firm grasp on the ignition plug for turning. Aable's Quick-On uses two sharp prongs that lance the surface of the lockface, establishing a solid bite on the plug. Lock Technology's Sure Shot uses a splined innerface to grasp the plug. (*See photographs 26 and 27.*)

Although both tools give similar operating instructions, Aable's Quick-On is used here for illustration purposes. First remove the winged facecap of the ignition. (*See photograph 28.*) Place the tool onto the face of the lock. Using a small mallet, rap the tool until it is firmly seated. Make sure that all sides are firmly planted on the face of the lock. This will assure that the prongs are properly engaged on the lockface. (*See photographs 29 and 30.*) Using a box end wrench, slowly apply even turning pressure to the tool. (*See photograph 31.*) Turn to the "ON" position. Refer to the force tool warnings previously listed.

Also available for the Ford 10 cut ignition locks are the drill guides. HPC's ITF-14 Ford drilling kit allows the technician to drill the sidebar of the lock, allowing removal of the lock.

To use the unit it is not necessary to remove the faceplate wings. Simply insert the correct keyblank. Mount the small drilling guide onto the head of the key and tighten the set screw to secure in place. Now drill the sidebar. (*See photograph 32.*)

The Lock Technology unit aligns your sidebar drilling hole by attaching directly to the top of the lock facecap. There are two sides to this tool, one to accommodate the standard wing style facecaps and the other for use on the large domed facecaps used on the Taurus and Sable. (*See photograph 33.*)

On the Aable Locksmiths version, the Ford Drill Block, remove the



26. Aable's version of the Ford 10-cut force tool, the Quick-On, has two pointed prongs that engage the lock's faceplate.



27. Lock Technology's Sure Shot tool uses a splined inner face.



28. Removing the wings from the ignition.



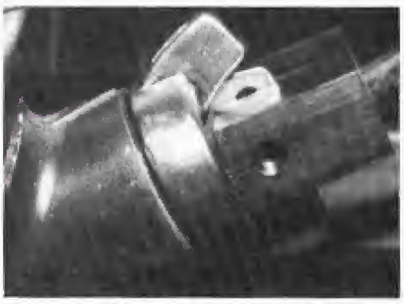
29. Gently tap the tool into position. It is critical that the tool is properly engaged with the face of the lock or it will not work properly.



30. This photo shows how the prongs of the Quick-On by Aable pierce the lock's face.



31. Force turning the 10-cut ignition.



32. The HPC ITF-14 Ford drilling guide.



33. Lock Technology's drill guide in place.



34. After removing the wings, Aable's drill guide is set in place.

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facecap first. Then break off the three posts sticking up from the face of the plug. Place the drill block into position (*see photograph 34*) and drill the sidebar (*see photograph 35*).



35. Drilling the Ford 10-cut ignition.

Finally, many foreign lock ignitions can be removed or serviced once their plug has been removed. This is most common on Toyota style locks that can be removed once the plug has been turned and the retaining button depressed. Using an extractor to remove the plug, the retaining button can be depressed for ignition removal.

As an example, using the extraction tool by Major Manufacturing (*see photograph 36*), we can remove the plug on this Hyundai



36. This handy extractor by Major Manufacturing is complete and easy to use.

ignition (*see photograph 37*). Replacement parts and pinning kits are available from Auto Security Products for this ignition.



37. This cylinder is typical to early Mitsubishi and Hyundai.

To use the tool, drill a pilot hole down the center of the plug's keyway. Be careful not to snag and snap the bit off. (*See photograph 38.*)

Screw the extractor screw and the extractor tip into the lock. (*See*

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38. Drill a pilot hole down the center of the keyway. Be careful not to break the drill bit.



39. Attach the extractor tip to the ignition plug.



41. Turn handle to extract ignition plug.

photograph 39.) Attach the extractor tip to the shaft and extractor body. (*See photograph 40.*) Slowly turn the extractor handle. (*See photograph 41.*) The plug removed. (*See photograph 42.*) A new plug can be inserted.

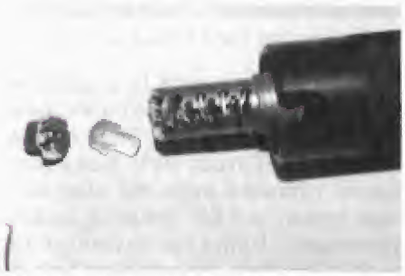
This tool was also tried on a Toyota Pickup with a snap ring retained plug. The slow, even pressure of the tool sheared the ring off of the plug's back. The cylinder retaining pin was depressed and the lock replaced.

While force tools may not always be the accepted or prefered method of service, when used properly, they can often make the job faster, easier and more profitable.



40. Then attach the tip to the center shaft.

For more information regarding the featured force tools contact: Aable Locksmiths, (718) 847-1377; A-1 Security Mfg. Corp., (804) 747-0095; HPC, contact an authorized HPC distributor or call (708) 671-6280; Lock Technology, Inc. (708) 369-6060; Major Manufacturing Manufacturing (714) 772-5202.



42. The plug extracted. Notice how the retaining wafer and back broke away from the rest of the plug.

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Test Article #36

ELECTRONIC SECURITY

To be tested in December '94 issue
Details in front of issue

BASIC ELECTRICITY PART IV

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In the last three articles we have used Ohm's Law and Kirchoff's Voltage Law (KVL) to help define the electrical characteristics of a circuit. Up until now, however, we have been defining these characteristics relative to a series circuit.

As described in last month's article, a series circuit allows only one path for the current to travel. Starting from the power source, the current travels around a single loop or circuit to the first load. After passing through the first load the current continues through the loop to the next load. This goes on until the loop returns to the power source. *(See illustration 1.)* Because there is only one path for the current to follow, if the path is broken anywhere in the circuit, the current ceases to flow anywhere in the circuit. *(See illustration 2.)*

For a series circuit, we know:

-By KVL, all the voltage rises must equal all the voltage drops, or, the source voltage must equal the total load voltage.

-The current in a series circuit is the same at all points in the circuit.

-By adding the resistance of each load, we can determine the total circuit resistance.

-Dividing the source voltage by the total circuit resistance gives us the circuit current.

-Multiplying the circuit current by the resistance of each load yields the actual voltage across each load.

Another type of circuit is the parallel circuit. In a parallel circuit each load is connected directly to the voltage source. *(See illustration 3.)* As a result, the current has as many paths to follow as there are loads.

Now, you may remember, as loads are added to a series circuit, the resistance is increased. With a parallel circuit, however, as we add loads, the total resistance as seen from the voltage source is decreased.

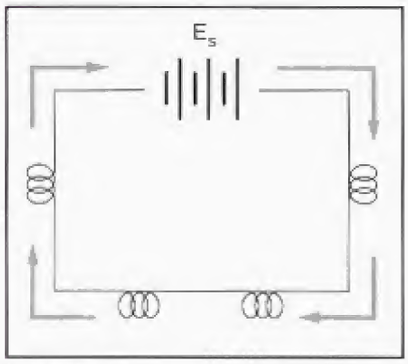


Illustration 1

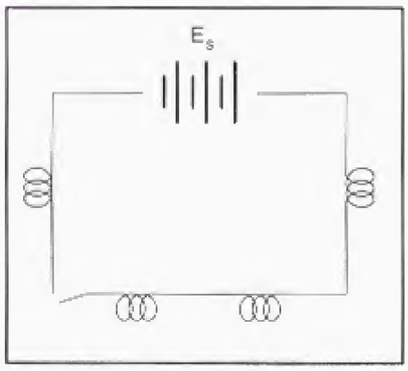


Illustration 2

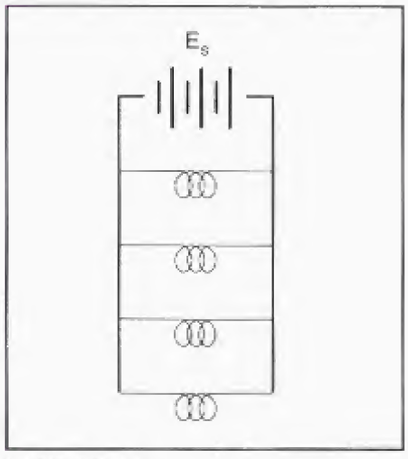


Illustration 3

The reason for this is simple. We have previously described the effect of resistance on a series circuit using a sleuce. Because the water of this sleuce has only one path, as we add loads or barriers to the sleuce, we cause more resistance to the flow of water, yielding a slower flow of water.

In a parallel circuit, on the other hand, by attaching the load directly to the voltage source we are opening a whole new circuit. In other words, instead of adding a barrier to the sleuce for every load, we are actually adding another branch that the water can flow through, reducing the resistance.

Because a parallel circuit has all loads attached directly to the voltage source, the voltage is the same for all branches. *(See illustration 4.)* The current through each branch, on the other hand, changes and is dependent on the resistance of each branch. Therefore, we can compute the current through each branch by using Ohm's Law: $I_n = E_S/R_n$; where I_n is the current of a given circuit or branch "n," E_s is the source voltage, and R_n is the resistance of a given circuit or branch "n."

For instance, if we have an electric strike with a resistance of 4 ohms and

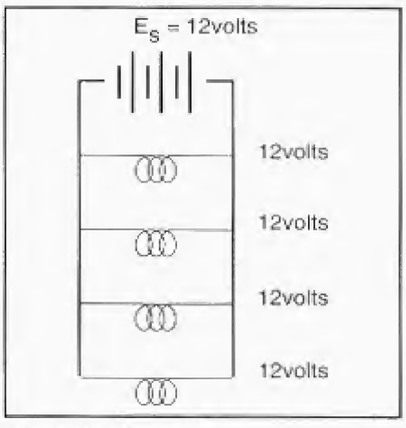


Illustration 4

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a source voltage of 12 volts, we can determine the current in amps for that branch by dividing the 12 volts by the 4 ohms or : 12v/4Ω = 3 amps.

Now, the total current, I_t, of a parallel circuit is equal to the sum of the currents of all the branches in the circuit. The following equation (which I'm sure looks familiar) shows this relationship:

$I_t = I_1 + I_2 + I_3 + I_n$. *(See illustration 5.)*

If you said to yourself that this equation looks very much like KVL you're absolutely right. Only in this case, this is a variation of Kirchoff's Current Law, and it applies to parallel circuits.

For example, a parallel circuit has three branches, each branch has one strike, the first branch has a current of 3 amps, the second branch 1.5 amps and the third branch .35 amps. *(See illustration 6.)* Using the equation we have a total current of:

3 amps + 1.5 amps + .35 amps = 4.85 amps.

Like we did with previous equations, we can take and modify it to find various unknown specifications such as the resistance of the whole parallel circuit or the equivalent

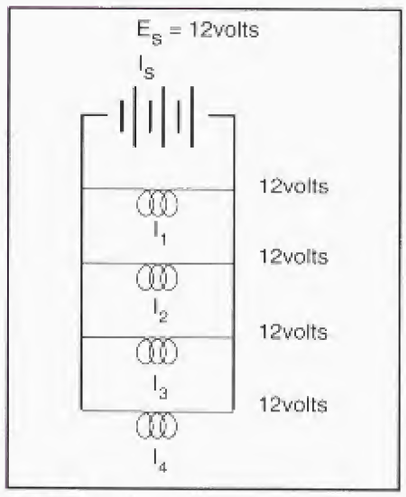


Illustration 5

resistance.

Using Ohm's Law to solve for current, I = E/R, let's put E/R in place of the I for our equation:

$E_s/R_t = E_s/R_1 + E_s/R_2 + E_s/R_3 + E_s/R_n$.

Of course, we can't stop here. Remembering that the voltage is the same for all branches of a parallel circuit, we can divide the source voltage (E_s) out of the equation, leaving us with:

$1/R_t = 1/R_1 + 1/R_2 + 1/R_3 + 1/R_n$.

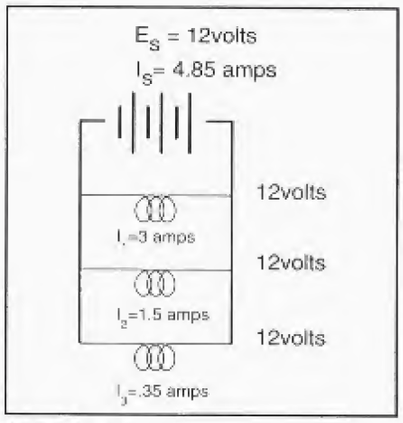


Illustration 6

For example, using the three parallel branches and electric strikes from the previous sample equation, if the resistance of the first branch is 4.33 ohms, and the second is 8 ohms, and the third is 34.29 ohms the equivalent resistance of the circuit is:

$1/4.33\Omega + 1/8\Omega + 1/34.29\Omega = 1/R_t$

or

$1/R_t = .231 + .125 + .029$
$1/R_t = .385$
$R_t = 1/.385$
$R_t = 2.6\Omega$

There are two short cuts for determining the resistance of a

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parallel circuit. The first is for a group of resistors or loads ALL WITH THE SAME RESISTANCE VALUE. Take the resistance value of one of the loads and divide it by the total number of loads. For example, if all three of the electric strikes in our last circuit has resistance values of 8 ohms then the equivalent resistance is equal to:

$R_t = 8\Omega/3 = 2.67\Omega$

The second shortcut can be used for only two resistors or loads of different values. In this case the equivalent resistance is equal to the product divided by there sums. For example, putting two strikes in parallel, the resistance of one is 8 ohms and the resistance of the second is 4.33 ohms; finding the equivalent resistance is:

$R_t = R_1 R_2 / R_1 + R_2$
$= 8 \times 4.33/8 + 4.33$
$= 34.64/12.33$
$= 2.81\Omega$

Being able to determine the equivalent resistance, of course, allows us to determine the total current without adding each separate branch current together. Using Ohm's Law:

$I_t = E_s/R_t$

Now, let's set up some problems. We are installing two 12 volt electric strikes. Each unit has a current rating of .75 amps. What are the minimum power requirements of the power supply?

First, the supply voltage in a parallel circuit is the same for all branches. Therefore, because the strikes are 12 volt strikes, the power supply must be 12 volts.

Then, using our variation of Kirchoff's Current Law, we can determine the amount of current that the power supply must be able to provide:

$I_t = .75$ amps + .75 amps
$I_t = 1.50$ amps.

This equation shows that our two strikes have a current draw of 1.50 amps. This means that the power supply must be able to provide at least 1.5 amps of current at 12 volts.

Problem two: We are given a 24 volt, 5 amp power supply. If connecting in parallel, what is the maximum number of 24 volt, 1.25 amp strikes that can be used on this power supply?

We know by Kirchoff's Current Law that adding the current for each branch together will give us the total circuit current. Now, because the maximum current the power supply can provide is 5 amps, we can only connect the number of strikes that together will draw 5 amps or less. Because the current rating for strike is the same, we can simply divide the supply current by the current drawn by each strike to tell us the maximum number of strikes that can be used.

This leaves us with:

5 amps/1.25 amps = 4.

Therefore, the maximum number of strikes we can connect to this power supply is four. To check this we simply add four strikes together:

1.25 amps + 1.25 amps + 1.25 amps + 1.25 amps = 5 amps.

Being able to determine power requirements is critical when working with electrical and electronic equipment. Knowing and using Ohm's Law and Kirchoff's Current Law are the tools for determining the compatibility of the power source and the loads.

Next issue we will cover some of the tools and methods used for reading electrical circuits.



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INDUSTRY PROFILES

STAR KEY

"The degree of change has been so fundamental... this is virtually a new company."

Times change. People change. And so do companies. Thus, in late 1992, Star Key - a standard bearer of the locksmithing industry - changed hands, and new management took over.

With the change, came a company-wide revitalization. The manufacturing facility, based in the heart of New York City is a now a "beehive" of activity and energy. With an infusion of capital and new management and engineering talent, Star Key is generating new excitement in the industry.



Richard Cohen, president of Star Key Industries.

The degree of change has been so fundamental, that, in the words of Richard Cohen, the new president, "this is virtually a new company." Dropped is the name "Star Key & Lock Manufacturing". The new name is "Star Key Industries". And the new ethic is to make the best, most attractive product on a basis which provides value to the professional locksmith. This is definitely a "locksmith friendly" company.

Founded soon after World War II by Herbert and Harry Stein, Star Key has been an All-American tradition in the security industry for almost So years. Through manufacturing efficiencies and innovative production methods, Star Key provided a single source of value-priced precision blanks for a wide variety of keyway applications.

The blanks, themselves, have long been a favorite among locksmiths. With Star Key as a primary supplier of key blanks to many locksmithing educational institutions, security professionals worldwide have learned their trade cutting Star blanks.

In the past 10 years or so, the key blank industry has consolidated, with fewer and fewer manufacturers.

Star Key sells to distributors, and not direct to locksmiths. It never had manufacturers' reps or any formal marketing program. The keys basically sold themselves. But with its competitors actively marketing their lines and addressing distributors regularly, Star Key lost some its edge.

Enter new management. Star Key always maintained a loyal customer base, but Mr. Cohen has concentrated the company's efforts not on the positive feedback from its existing clientele, but on criticisms leveled by those who have strayed away from Star.

Mr. Cohen oriented the company to the professional locksmith, retaining Myron Bird, CML, to assist on technical issues, and consulting with several other security professionals.

The primary focus is product quality. Star Key tested several different alloys and tensile strengths (hardness ratings), before deciding upon its new key stock specifications. Star selected an alloy and tensile strength which is very strong, but also somewhat elastic and good for impressioning. Elasticity is an important key stock property since it is better for a key to bend under pressure than to immediately snap off.

New engineers were hired and new tooling and machining methods implemented. More precise and durable manufacturing dies were made to replace older dies. And modern quality control measures were introduced.

New finishing compounds were applied to the brass blanks to protect against tarnishing, oxidation and physical wear. The keys are now made to a bright sparkling luster.

Star Key has always inscribed its keys by coining them—the information on the bow is raised off the surface as opposed to incised (impressed) into the key. In the past few months Star Key has significantly enhanced its coining operations and created a sleek, new keyhead design.

New keys are coined with a new logo — "*USA", standing for "Star USA". The new logo was arrived at with feedback from several locksmiths. The company wanted to avoid a generic appearance where there is no indication who the manufacturer is and where the key is produced. This generic appearance can be compared with generic non branded paper towels one might buy at a deep discount retail warehouse, such as Home Depot.

The new logo, resembling a USA Olympics image, has been extremely well received by locksmiths and their customers. The reverse side of the bow is left vacant so locksmiths can emboss their own information on it.



Brass waiting to be blanked.

Traditionally, Star Key manufactured its blanks only in brass. Now, it produces nickel plated and nickel-silver blanks as well. The nickel plating is ductile enough to resist flaking under even considerable abuse, and the nickel-silver is mill certified top of the line. The company also offers special embossing program whereby it coins a locksmith's name, address and phone number on any key ordered.

For more information contact Star Key Industries, 1274 Flushing Ave., Brooklyn, NY 11237, (718) 821-8300.

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CAR OPENING

OPEN THE '93 ISUZU TROOPER

"Use the 'Round Jim' to reach under the vertical linkage rod lock button and unlock the door."

Pro-Lok is a manufacturer of Specialty Locksmith Tools. Pro-Lok was started as a part-time business by Adam Weinraub, a young locksmith in Orange, CA. The company originated with a few unique products that sold well through display ads in the trade magazines. Pro-Lok expanded and started selling it's products through locksmith distributors all over the U.S.

During the past ten years, Pro-Lok has added new products and has acquired several unique tool lines. Pro-Lok acquisitions include ALS (American Locksmith Service) KeyMaster (A high quality punch key machine) and most recently, the Jiffy Tool division of AAA products.

Pro-Lok currently offers over 100 unique products including car opening tools, a line of car opening books, auto lockout tool sets, lock picking tools, and specialty locksmith tools.

Pro-Lok is known for it's car opening book and its yearly updates. Pro-Lok has just released a new series of foreign auto lock servicing books. Pro-Lok presents car opening seminars and shows it's products at trade shows in cities all over the country. For more information on Pro-Lok products, call your locksmith distributor and ask for the 16 page full line Pro-Lok catalog.

Isuzu has concentrated on Sport/Utility vehicles in the U. S. market. Although the Stylus automobile has been offered for the 1993 model year, it is scheduled to be discontinued in 1994. Isuzu offers the small Amigo, medium sized Rodeo and their largest model as the Trooper.

As with most vehicles, there is more than one way to gain entry. Picking, impressioning, or sight reading of locked-in keys are some possible means of entry. Because we are concentrating on opening the vehicle rather than fitting keys to it, we will use the simplest and fastest method.

On the Trooper (*see photograph 1*), I suggest you use Pro-Lok's A0-12 "Round Jim" to reach under the vertical linkage rod lock button head and unlock the door. Here are the details:

(1) Identify the interior door lock button on the FRONT PASSENGER door.

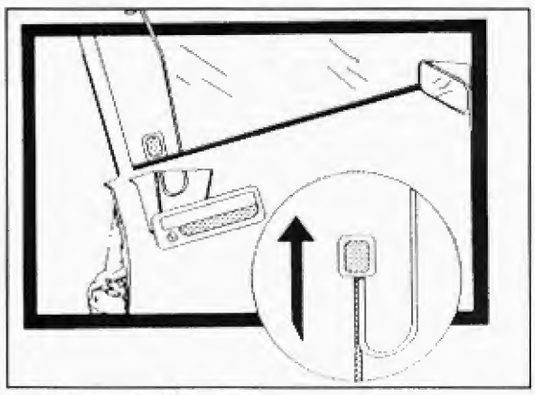
(2) WEDGE the door between the weatherstripping and the glass about 12" from the REAR edge of the door.



1. The Isuzu Trooper



2. Inserting the "J" tool.



3. Lifting up on the button.

(3) Insert a Krypton light into the door and visually identify the VERTICAL ROD located directly below the interior door lock button.

(4) Insert the A0-12 into the door with the "J" tip of the tool rearward, between the weatherstripping and the glass about 7" from the REAR EDGE of the door. (*See photograph 2.*)

(5) Lower the tool until the tip is about 4" down in the door.

(6) Rotate the tool about 45 degrees clockwise. Lift the tool up about 2". The tip will lift up under the interior door lock BUTTON HEAD connected to the vertical rod.

(7) When the tip of the tool is UNDER the button head, you will see the button move.

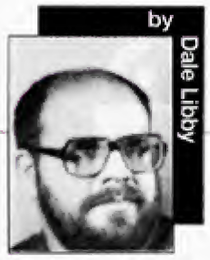
LIFT UP slowly on the tool to unlock the door. (*See illustration 3.*)

NOTE: When lifting up, do so gently. It should take no more effort to lift the button head in this manner than it does to lift it with your fingers from inside the vehicle.

This article was written by Tom Gillespie, Pro-Lok car opening instructor.

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THE WASP MANIPULATION AID

"The most important thing that the WASP accomplishes is to give everyone the 'Feather Touch of Consistency.'"

Sometimes a tool or group of tools come along that will revolutionize the safe industry. I know that the Wasp Manipulation Aid is one of the aforementioned. Here is an unbiased look at this tool:

First of all, the WASP (Weight - Adjustable - Scale Pointer) is an incredible manipulation tool. It is fantastic! Other than the directions that come with it, I have no negative comments. A little more on that later. (*See photograph 1.*)

As you know, I was first introduced to safe combination manipulation through Lockmasters in the early days. This was due to the efforts of Harry Miller and Jim Taylor. Both of these learned men were responsible for my early training and competence at manipulation.

Along came Lockmasters and Clayton Miller who carries on the tradition of teaching manipulation both by correspondence and on-site instruction. He introduced one of the first manipulation aids which consisted of a magnifying glass and yellow spots that were attached to the dial and ring. This was a vernier effect, and it worked although looking through the glass for long periods was difficult.

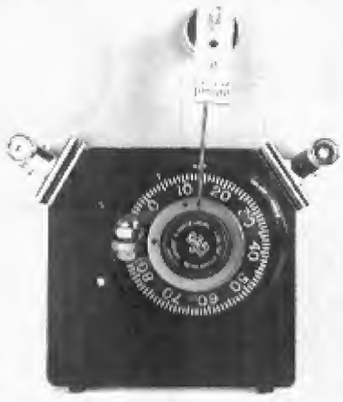
The next manipulation aid that revolutionized the manipulation industry was the ring and pointer system created by David Lee (A good friend that is no longer with us). This tool consisted of several rings with a pointer that attached to the dial of the safe. Opposite the pointer was another magnetic pointer.

The tool was used by bringing the sharpened points together on the right contact (single point manipulation). When a wheel or low spot was found by dialing every 2 numbers, the points would visibly move away from each other. Once the point was verified, the pointers were reset and the next number was manipulated.

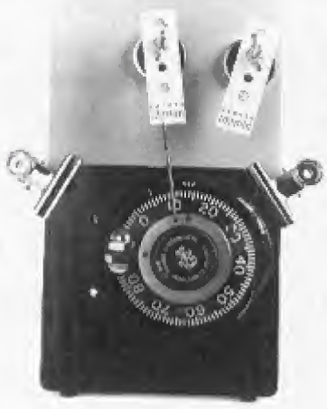
The reason that this is important was to break down the one number



1. The WASP with rings in its carrying case. Molded inserts carry and organize all the component parts.



2. The WASP used on a practice mounted lock for single right contact readings. Plate and clips are included.



3. The WASP set up for traditional right and left contact readings. Can be used with or without removable weight.

increments into very small readable units. When I learned manipulation through Lockmasters, we were taught to break the full number increments into eighths (1/8, 1/4, 3/8, etc. increments). In later years, Lockmasters taught that the whole number increments, like between 14 and 15 on the dial should be broken down into tenths (i.e. 14.1, 14.2, 14.3 etc.). I can do this, but there are several factors that entered into this.

First, is the thickness of the dialing index. Second is the incremental distance between the numbers, and if they could be seen clearly. Next, was (and most importantly) is the pressure that one put on the dial to get these readings. If it was not consistent, then no matter how small the difference between readings, the readings were worthless.

The consistent pressure on the dial at the drop in point was probably why I excelled at manipulation and speed manipulation. I developed and practiced what I call the "feather touch." It made the difference between success and failure many times. Unfortunately it is very hard to teach.

Now, along comes the WASP. It measures the difference between numbers easily and graphically. It can break down full number increment into 1/20's of a point clearly and easily. You can now read and measure the points without guessing. The most important thing that the WASP accomplishes is to give everyone the "Feather Touch of Consistency" without having to do anything special.

The WASP is packaged is a magnificent plastic box with molded inserts for the tool and the accessories, like the rings and magnets and pointers. The unit is easy to set up for either single (*see photograph 2*) or dual point manipulation (*see photograph 3*). I find that single point or single contact reading is the best. It is more consistent and faster. All that is required is to attach the correct sized

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ring to the dial with the pointer up and near the drop in position.

Next attach the wire pointer and the magnetic scale. You are now ready to manipulate after adjusting the weight. Your use of cap screws to make the weight easily adjustable is outstanding. With the use of included magnets, the WASP can be used on floor safes too.

I feel that the inclusion of the weight is a quantum leap for manipulation aids. What is does is to make a faint contact reading come out and slap you in the face saying, "Here I am, lets get this safe open NOW!" I like to use this unit on LaGard locks. These have traditionally imperceptible contact readings, but with the proper adjustment of the Wasp, they are easy to see and experience. (*See photograph 4.*)

The only problem that I have with the WASP is that the directions are made for people who already have a rudimentary knowledge of manipulation. A lot is taken for granted. I picked up on it immediately, but someone who has never manipulated a safe lock would be somewhat confused. Even more confusing is the included chart of safe manipulations and notes in the column. Included is the try-out combinations to determine which wheel is indicating. This is fine for the manipulator, but not for the beginner.



4. Tom Powers experimenting with the WASP on a Gardall safe. He liked it.

The last problem I have with the WASP directions is the algebraic break down of pointer length versus increment fraction. There is no need to know that if you use a pointer that is this long, then the break down is into 1/20, 1/24, etc. This may be important to others, but it is not necessary. Use the longest pointer that you are comfortable with and which also clears the opening handle.

I have recently taught some people the theory of safe lock manipulation, at least the theory, and have shown the WASP to others that know already know how to dial a safe open. They are impressed at how easy the tool makes readings consistent and how easy it is to read the contact points.

There is a little technique that is required to use the tool. This is determined by the strength of the contact readings and the tightness or looseness of the combination dial. Also, I have only taught single point manipulations, but the WASP is easily set up for traditional left and right contact readings, with or without the adjustable weight.

Now, for my recommendation. I think that with an improved version of the directions, the WASP can be an even better tool.

Over the years, I have found that people who started and could not finish a course on manipulation did have trouble with the consistent touch that is required for successful manipulation. The second major problem is their eyesight, or more correctly, the lack thereof. Both of these problems are solved easily with the WASP. With this tool more men and women will be able to manipulate safes open instead of drilling them. This makes me both happy and sad at the same time. Onward and Upward.

Continued on page 181

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INDUSTRY PROFILE

SCHLAGE

"Schlage has made a business of creating innovative ways to serve its marketplace."

In an increasingly complicated world, one company sees the key to success through simplification. Schlage Lock Company, the leader in the commercial lock industry, has made a business of creating innovative ways to serve its marketplace in terms of security, performance, reliability, versatility and ease of use.

Schlage products are designed so they can be mixed and matched, giving the end-user flexibility in terms of design. With master key capabilities and interchangeable cores, Schlage locks and keys can provide cost effective options to both fulfill and augment all of a building's door hardware and security needs.

One example of Schlage's simplification and innovation is the Primus high security cylinder and keying system which can offer the key holder "key control" - one master key for a variety of locks in a given building.

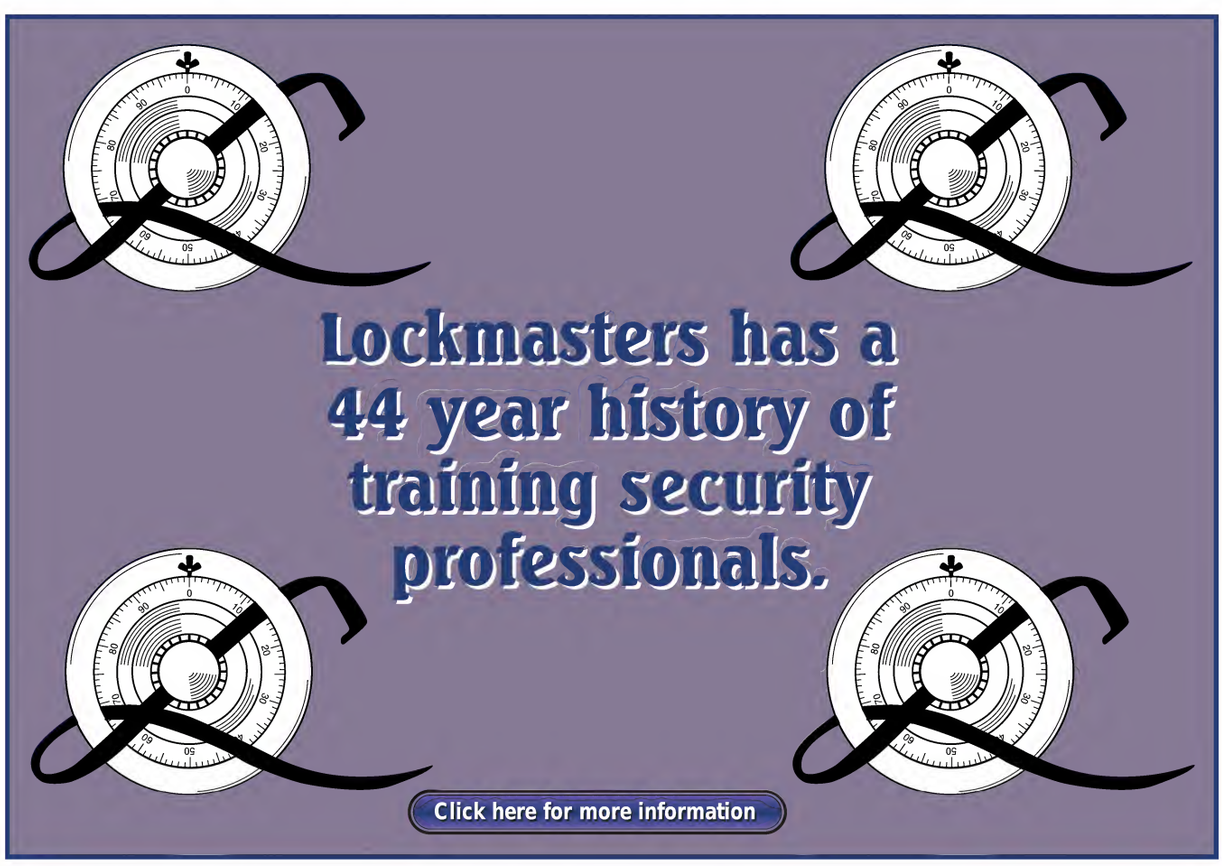
Primus is a special dual-locking cylinder that has two sets of combinating pins triggered by one key. The cylinders come in two configurations - UL-listed (drill-resistant) and standard. The UL-listed Primus cylinders are made drill-resistant by hardened drill rods embedded in the cylinder plug and additional rods straddling the keyway behind the plug face.

The Primus key, which only Schlage is patented to produce, is unique in that it has both top and side "cuts" (specially engraved in the side of the key). The top cuts allow the Primus key to open standard locks. When coupled with the side cuts, it allows the key holder to open Primus cylinder locks. The side "cuts" (called Side Bit Milling) can not be duplicated on standard keys. And standard keys will not work in Primus keyways.

The ability to use a single key in both Primus and standard locks, combined with patent-protected key duplication and Schlage's restricted distribution, gives the key holder total control over the locks in a given building. That makes Primus simpler for access, less costly to maintain and, because of the restricted duplication and distribution, also more secure.

Primus can be masterkeyed and integrated into existing Schlage key systems. This is yet one more example of Schlage's versatility and ability to simplify.

Schlage's L-Series 06 lock, D-Series



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Rhodes and S-Series Saturn are all similar in design and can be used in conjunction with each other but at the same time are different locks in terms of functionality, performance and cost. All three can be used with the Primus cylinder and keying system. All three are levers. And all three are ADA-compliant.

The L-Series 06 is a Grade 1 mortise lock. It is Schlage's top-of-the line, extra heavy-duty commercial lock. The L-Series 06 is used in high trafficked areas such as exteriors and interiors of schools, hospitals and office buildings. It is made with a universal lock chassis - one lock case for knobs and levers. The L-Series 06 comes standard with a 3/4" latchbolt with an anti-friction tongue. It also incorporates a solid stainless steel deadbolt. The L-Series 06 can support 11 different lever designs and six knobs, available in nine different finishes.

The D-Series Rhodes is a Grade 1 cylindrical lock. It is also a heavy-duty commercial lock. Like the L-Series 06, the D-Series Rhodes is used in exterior and interior of schools, hospitals and office buildings. The D Series, however, is a keyed cylindrical lock and does not incorporate a deadbolt. The D-Series Rhodes, which is similar in design to the L-Series 06, can be used the same way as the L-Series 06 but at 20 percent of the cost. It gives the end-user a price option. The D-Series Rhodes is UL-listed and comes in eight finishes.

The S-Series Saturn is a Grade 2 keyed lever. Unlike the L-Series and the D-Series, it is a light- to medium-duty commercial lock. It is used in lower trafficked commercial areas — interior office, medical centers, stores/shops, bathroom and passage doors — and heavy-duty residential and multi-family housing. The S-Series is also UL-listed. Since it is more cost-effective than the D-Series Rhodes, the S-Series Saturn provides the end-user yet another a price option.

The L-Series, D-Series, and S-Series — plus the Primus cylinder option — give the key holder flexibility in choosing his or her door hardware. Instead of using one lock in a project, a combination of all three locks could satisfy an end-user's security needs and cost considerations.

For more information contact: Schlage Lock Company, 2401 Bayshore Blvd., San Francisco, CA 94134, (415) 467-1100.

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INDUSTRY PROFILE

LOCKMASTERS

"One of Lockmasters primary goals is to help their customers succeed.."

In 1955, when Harry C. Miller, James Taylor and Leonard Singer founded Lockmasters as a supplier to safe and vault technicians, one of their primary goals was to always strive to help their customers be successful. They firmly believed that if they worked to help their customers succeed, in the end, they would succeed as well.

In keeping with that goal, over the years Lockmasters has grown into a single-source supplier that provides their customers with: quality education, training, tools, parts, equipment and even on the job technical advice and assistance. They have the products and services to meet virtually every professional need of their customers.

An innovative company by tradition and a customer oriented company in practice, Lockmasters was the first company to develop and establish an educational program for safe and vault technicians to learn the art of manipulation. Originally founded as a correspondence school, the courses of Combination Lock Manipulation and Safe Lock Servicing proved to be so valuable to technicians, that a "hands-on" residence school was created to allow for actual "hands-on" learning and to meet the growing popularity of the courses. Today, their Professional School offers a number of courses and continues to be an outstanding educational resource for the technician. And, as the industry changes and grows, the courses are evaluated and up-dated to assure that students are given the most up-to-date training possible. For example, the new GSA course now includes the most current government specifications along with instructions for Mas-Hamilton X-07 servicing, combination changing and opening techniques

Lockmaster customer service staff is technically trained and strives to assist their customers in every way possible. Our customer service representatives are available Monday through Friday, 8 am to 5 pm (EST).

And, along with working to provide quality education and training, Lockmasters has always been and continues to be on the forefront of innovative research and development. By seeking out and developing new products, Lockmasters is always able to offer their customers the best available in products, tools and

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equipment. In turn, the Lockmaster customer is able to offer their clients the best in service.

In regard to tools, parts and equipment, Lockmasters prides itself in offering the technician the finest quality available. Their guarantee is to have every item the customer needs. If they don't have the item, they will refer the customer to a supplier who does.

Not only is Lockmasters a quality supplier of tools, parts and equipment, they also have and extraordinary track record of inventing special tools for the technician. Several examples of such tools include: the Read EZE, the Manipulation Tool, the Emergency Dial, the Pro Amp, the Safe Saver Pins, and the Sure Shot. More recently, they invented the SCIFLock, a modern day version of the auto-deadbolt locking mechanism originally designed by John Miller in 1930. The SCIFLock allows government and industrial groups to control entry to highly sensitive areas where security is an absolute must.

Lockmasters also markets products that were invented by technicians outside of their company. Products such as: the Collins Drill Rig, the Skip Pick, the Jay Felch Tool, the Diebold Quick Pick and the popular 457 Magnum. The 457 Magnum allows the technician to accurately penetrate and service containers found in government and commercial facilities. Its accurate angle drilling prevents damage to the dial and dial ring. The unit incorporates special magnets that allow it to be mounted onto virtually any safe and can be used with any of the popular drill motors.

All in all, Lockmasters is a "ONE-STOP SHOP" for the technician. Whether the customer needs education, training, tools, parts, equipment or simply some on-the job technical advice, Lockmasters is there for the customer.

In light of the many things that Lockmasters is doing to help their customer succeed, it's apparent that their team of experts is truly dedicated to their students, customers and the entire physical security industry.

For more information contact: Lockmasters, 5085 Danville Rd., Nicholasville, KY 40356, (606) 887-7093.

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SHOP TALK

Helpful questions and answers

Shop Talk answers readers questions on any locksmith related topic. Only letters judged to be of general interest will be published. We regret that we cannot answer individual letters. Because of the volume of mail, only those questions answered in the magazine will receive answers. Send your questions to *Shop Talk*, ***The National Locksmith***, *1533 Burgundy Parkway, Streamwood, IL 60107.*

Q: *In the October 1993 issue of* The National Locksmith *you mention the book* The National Locksmith Guide to: Antique Padlocks. *I have a collection of over 1400 old keys and 540 old padlocks. Your book would be of great benefit. How much is it and how do I obtain it?*

Douglas Hubert
Wisconsin

A: *The National Locksmith Guide to: Antique Padlocks* is available from *The National Locksmith* at 1533 Burgundy Pkwy, Streamwood, IL 60107, at a cost of $29.95.

Q: *I am having trouble getting into a 1991 Mitsubishi GT3000. I've looked in several different books and used different tools, but have been unable to open the doors. Can you help*

Clarence Colly
Tuscolo, Texas.

A: Yes, I can. Just let me preface this by saying that it always helps to have a good set of door wedges and a good light. Various brands are available from automotive locksmith distributors. Needless to say, if you can see it, you can work it.

Wedge the door open and insert your light. There will be two horizontal rods coming from the lock button and the latch release lever. These rods are open and accessible after entering through a large hole in the door area near the latch side of door. Using a slide lock tool, reach down and grasp the top rod, this should be the lock linkage. Move the rod and open the door.

Q: *I have been having trouble servicing a 1990 Mazda 626 and 1992 Probe ignition. While I have little trouble removing and disassembling the lock, I always have trouble making keys. After removing the plug from the cylinder I insert an uncut key so I can read the wafers and cut a new key. The trouble is no matter what blank I use I can't get the wafers with a one depth to reach the shearline of the plug. When I put the lock back together, the tumblers snap when the plug is turned. What is the matter?*

Don Relsin
Wisconsin

A: It's hard to tell without seeing, however, these locks use the Mazda code series 6500 to 7733, using the X202 keyblank. If you're using this blank and these specifications, you've got a good start.

When this key is inserted into the plug, visually the number one depth wafers are not pulled down to the shearline. (*See illustration 1.*) When

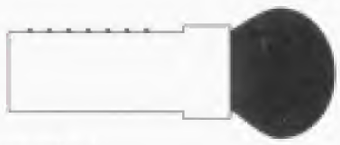


Illustration1

you flip the plug over, they look just slightly below the shearline. However, this is exactly where the shearline is. If the key is cut such that the other depth wafers are aligned directly on the plug's top and bottom surface, the cuts are one increment too shallow. (*See illustration 2.*) Instead, cut all these spaces one increment deeper; they now are aligned at the same shearline as the number one depth wafers. The plug should turn smoothly now.

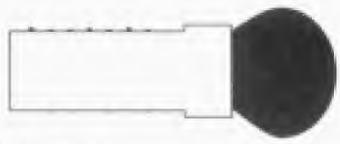


Illustration 2

An easy way of reading this plug is to read from the bottom side. All of those tumblers just below the surface of the plug are number one cuts. Gauge the rest of the wafer depths by the number one wafers.

Q: *I was recently called to replace a deadbolt and lever on a custom, wood frame, glass patio door. The problem is, these locks have a 2" backset and the door is not wide enough to accommodate a 2-3/8" backset lock. While I was able to obtain a Lori deadbolt with a 2" backset, where do I find the lever?*

Jon McKenzie
Littleton, Colorado.

A: Also revealed in your letter is that the lever is an Amerock. This company is now part of National Lock, and still carries the 2" backset lever you need. According to Shirley McClellan of National, there are two models and two finishes from which to choose. Model 2311B has a full 2-5/16" projection on both sides of the door. This model lists for $64.95 in bright brass and $60.45 in antique brass. Model 2310B has a 1-7/16" exterior projection, to accommodate a screen door, and the standard 2-5/16" interior projection. This model lists $58.95 for a bright brass finish, and $56.45 for an antique finish.

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BUSINESS BRIEFS

News from the Locksmithing Industry

Industry Interview...

This month The National Locksmith would like to introduce Andy Foster. Andy is currently Vice-President and Director of Operations for Lock-Tight, manufacturer of the Lock-Tight automotive central deadlocking system.

Introduced into the field of security 8 years ago, Andy attended Beloit College in Wisconsin, where he graduated in 1975 with a degree in English Composition. A year later, 1976, he completed his masters in Communication at the University of Wisconsin, Madison.

From here, Andy pursued journalism, working for small newspapers and newsletter companies in the Washington D.C. area. In 1984 he moved to San Rafael, California, as an editor for a small newsletter company. Leaving in 1985, Andy started freelance writing and soon was introduced into the security industry.

Meeting Buzz Baylis, Andy became General Manager of Baylis Wholesale, a distributor of automotive locks and keyblanks., handling the company's purchasing , sales and inventory. Also during this time, Andy met Auto Security Products' Buddy Logan, who hired Andy to handle ASP's advertising. ASP's No. 6 pictured parts catalog is just one sample of Andy's work for ASP.

In 1991 Andy left Baylis and went to work for Buddy Logan under his current title at Lock-Tight, as well as continuing his advertising and marketing role with ASP.

When asked what he sees for the future of the security industry, Andy states that "the high tech age is today. Everybody wants something that is more computerized, smaller, and slicker than what they already have."

Part of these technological changes include advertising through on-line interactive line services. Much like the computer bulletin boards, manufacturers are able to advertise their product and service to select market groups via computer.

"This is definitely something we are considering," said Andy.

"By listing ourselves with one of these services, we can target auto body shops and garages with our name and product. When these shops use their computer to look for parts, Auto Security Products' name will be present. Those that call will then be refereed to a Professional Automotive Locksmith in their area. It's a winning situation for both the Automotive Locksmith and ASP."

According to Andy, portraying the locksmith as a professional is essential to the locksmith's future.

"The locksmith, to succeed, must become more sophisticated in marketing." says Andy.

"The general public will typically attempt to do work that they are not competent at." he said, "They often don't call the locksmith until after things have been messed up. There's a need for the public to realize that the locksmith is a professional, a technician.

"And to accomplish this, the locksmith needs to promote himself as a technician not just a handyman. A locksmith may have all the education in the world, but if the public doesn't know about him, they won't call."

The future of locksmithing looks bright to Andy.

"The future locksmith has got to be willing to change," he said, "and reach out to the tremendous potential that is in this business. He can provide a service that no one else can."

In providing this service, Andy recommends watching these areas for locksmiths serving their customers.

"We're in a service business," says Andy, "and it is important that we remember that the customer is the center of our business and is always right.

"We need to guarantee our work. Not foolishly, of course, we need to be realistic. But, we have to let the customer know that we stand behind our work."

And, finally, "The locksmith needs to market himself as a technician, a professional."

Industry News...

Hundreds of access control products and dozens of classic cars were on display side-by-side at the third annual Electro Expo, hosted by **Security Lock Distributors**. The event was held at the famous Museum of Transportation in Brookline, MA, and proved to be even more of a success than the first two. A great many manufacturers exhibited working models and stood by to give valuable hands-on information and technical assistance to the scores of attendees.



Convention goers in the exhibit hall.

Dealers were treated to "previews" of a number of new products, including Locknetic's Pentagon 100 Electromagnetic Locks, Von Duprin's Max Hold 4000 Series, Simplex' Series 1000 "EE" Exit/Entry Push-button Lock, Trine's new "EN" Series Heavy Duty Strikes and others. Manufacturers have found the show to be an effective vehicle for getting the reaction of retailers, specifiers, installers and end users and can ascertain current market conditions directly from retailers who sell the products...

Code-Alarm, Inc. today said it has signed a contract with Ford Motor Co.'s customer service division to supply keyless entry and remote vehicle security systems to the automaker's 5,100 North American

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dealers through 1996.

They have also signed an agreement with General Motors of Canada Ltd. to supply vehicle security and keyless entry systems to the automaker over the next three years. This accessory will be available through Service Parts Operations...

The Greater Chicago Locksmith's Association, recently elected their new 1994 officers. (From top left.) Most noteworthy is GCLA's first woman president, Kathy Zaniolo, CPL. Other officers include Treasurer Al Zaniolo, CRL, Vice President Giles Kalvelage, Secretary Armand Ruberti, Sgt. at Arms. Larry Hughes, and (from bottom left) directors Michael Szarfinski, Tom Mazzone, Lenny Wagner, John Greenan and Tom Seroogy.



GCLA's 1994 officers.

Three **Von Duprin** engineers have been awarded a patent for an electromagnetic door lock assembly. Receiving recognition from Ingersoll-Rand for the patent they co-authored are Kevin P. Waltz, William P. Dye, and Donald D. Baker.



Von Duprin engineers, (from left) Kevin Waltz, William Dye and Donald Baker

Thomas C. Field, 51 is president of the **Schlage Lock Company**, part of worldwide Ingersoll-Rand, one of the nation's leading manufacturers of



Schlage president, Thomas Field.

door hardware and security products.

Mr. Field is responsible for all domestic and international operations of the San Francisco-based, lockset industry leader.

Mr. Field became president of Schlage in late 1990 after a six-year presidency at the DeVilbiss Company.

JLM Wholesale is now operating from their new facility at 3095 Mullins Court, Oxford MI. 48371. This new building has more than 3 times the office and warehouse space that their old facility had. Additional phone lines and FAX lines have been installed to keep up with added business and to serve their customers better.

On June 30, 1993 **ABUS Lock Company USA** was purchased by **RTJ Investors Limited Partnership,** a Delaware Corporation. Led by Thomas R. and Jerome E. Laitala, ABUS will continue to serve the professional locksmith, industrial, commercial, consumer, retail, marine and cycle markets.

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BITS & PIECES

Informative Tidbits for the Security Industry



by Tom Seroogy

A great time was had by all at the November meeting of the Northern Prairie Locksmith's Association. Meeting in Jamestown, North Dakota. Representing *The National Locksmith*, I had the opportunity to lead a hands-on foreign auto course, covering opening, key generation and lock service for late model foreign vehicles.

The one day class was attended by 25 NPLA members and was followed by food and fun. NPLA has 70 members from North Dakota, South Dakota, Minnesota and Canada. Thanks for inviting me NPLA, I trust you learned as much as me!

Apparently the burglars haven't heard about the new MATS column installed on the 1993 General Motors full sized vans. The column, introduced on the 1992 Buick Roadmaster, has a reinforced lower bowl area, right in front of the rack and sector gear, as well as a steering wheel lockplate guard on the upper bowl. This new column is meant to make theft by breaking the column and moving the sector gear and rack harder than the standard column. (*See photographs 1 and 2.*)

How long it took these burglars to compromise this column is unknown. However, it is quite apparent that it can be done. For those locksmiths who are capable of column repair, the rack and sector gear of this column are press fitted into the lower bowl section. This means, of course, that separate repair to the rack and sector units is impossible without replacing the whole lower bowl.

Another complication we found is that the upper bowl part number at the time of this writing is not listed in any of the current parts catalogues,. For now, the standard upper bowl will fit, however, the steering wheel lockplate guard cannot be used.



1. It took three wrecking vehicles to recover this stolen 1993 GMC Explorer.



2. Even with a thicker bowl area around the rack and sector gear, these thieves were able to compromise the column and move the vehicle.

Don't know why, maybe it's pick on General Motors week; here's another recent release. A special bulletin released by the Chicago (Illinois) Police Department states that the engine computers or the "brain box" of late model GM cars are being stolen. According to the bulletin, the main focus of the thefts seem to center on the Pontiac, Buick and Chevrolet models. Yikes! What next?

The Discover Card promises money back on your purchases, but now Sears is offering money to locksmiths. In a recent mailer, for $39.95, Sears is offering home owners a home protection package. Included in the package is a "Locksmith Reimbursement of up to $50.00" should the insured get locked out of their house. By the wording letter, the customer is to pay the locksmith at the time the work is completed and is then later reimbursed. So, next time your on a lockout, ask if the customer has the plan. It can make an otherwise uncomfortable situation more tolerable for the customer, and more profitable for the locksmith.

Last month we ran Northeast Lock Corporation's new 800 fax number. Unfortunately, because of space limitations we did not include that their new 800 fax number is available to customers in all 50 states, Canada, Puerto Rico, and the US Virgin Islands. Customers wishing to fax Northeast Lock can do so toll-free by dialing 1-800-524-2576.

According to a recent technical bulletin, GM will be adding a code number to represent the VATS/PASS key resistance number. This code is a two digit alpha/alpha-numeric code that follows the standard mechanical key code for the secondary key. This information is currently available on the dealer invoice and Roadside Assistance records for the 1994 Cutlass Supreme only. Following are the PASS key resistance numbers and their corresponding codes.

#2=CN, #3=FW, #4=GP, #5=KA, #6=N5, #7=UN, #8=XB, #9=GA, #10=NP, #11=FY, #12=C5, #13=XY, #14=KB, #15=UW.

Recognizing that an attractive store boosts traffic and sales, Master Lock

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LIGHTER SIDE

'Tis The Season



by Sara Probasco

"If more of my service calls were like that one, I'd be in the loony bin by now," Don said as he tromped through the shop to his office.

I couldn't let that get by me. I could smell an article all the way from my desk."Lean back and tell me about it," I said soothingly, closing his office door and slipping into a seat beside his padded swivel chair, pad and pencil in hand, as he tilted back with a sigh and closed his eyes.

"It all began innocently enough," Don began."The call came in early, this morning: a man had locked himself out of an '88 Lincoln Towncar with an electronic key pad."

"Yes, yes, go on," I urged when his mind seemed to wander off.

"It was his father's car, and he had no key to the door, only the combination to the key pad and a key to the ignition."

"I don't understand," I interrupted. "If he had the combination to the key pad, why did he have to call you to open the door? Besides, wouldn't his ignition key also fit the doors, in that model?"

"I'll get to that," Don replied."This vehicle has one of those electric trunk lids that automatically pulls it on down and locks it, once you get to a certain point. I guess it's to keep you from slamming the lid. Anyway, to answer one of your questions, the ignition had been replaced, at some point, so that key didn't fit anything else.

"The man and his family were moving some personal belongings from one apartment to another. Last night, they had packed quite a bit into the trunk and had overstuffed it, apparently. When the guy tried to close the lid, the automatic closer wouldn't engage, and he couldn't get it to latch manually. Every time he'd push the lid down, it would automatically bounce open again, no matter how hard he tried to close it. The guy was pretty frustrated, to hear him tell it."

"I can imagine. So, what did he do?"

"Simple. He took out the fuse. After that, he was able to close the lid."

"That makes sense. You say that was last night?"

"Right."

"Then why was he calling you this morning? He had solved his problem last night, hadn't he?"

"Oh, last night was only the beginning. They had quite a few items in the back seat of the car, and the wife didn't want to leave the car unlocked overnight, so she manually locked all the doors from the inside and closed it up. The thing she didn't understand was, when her husband had removed the fuse to keep the trunk lid from closing automatically, he had also incapacitated the electronic key-pad entry system on the doors, so they couldn't get into the car without a door key, which they didn't have in the first place, remember?"

"So he called you to get him in."

"Right."

"Well, that shouldn't have been so very difficult. What took you so long?" A funny little smile twisted Don's mouth."Don't tell me the guy forgot to put the fuse back in and it happened all over again," I said.

"Oh, he put it in, all right, once he found it. Of course, we had to go through a lengthy search, before anyone came up with it, and then he had to show me how the trunk closer worked. When he opened the trunk, I could scarcely believe all the things he had in there: boxes, suitcases, a kid's trail bike, a spare tire sitting cata-wampus, you name it."

"You're kidding."

"No. Then he started this business of making the lid go up and down, up and down. 'Just look at that,' he kept telling me.

And every time it would hit something and start up again, he'd say, 'Don't you just hate that?' Finally, his teen-aged son took the fuse out again so he could show me what had happened before. I kept telling him I understood, but he was determined to give me a demonstration."

"Don't tell me."

"Yep. He locked all the doors from the inside, just like before."

"What did you do?"

"What else? I got it open for them again. Only, this time, while I was working on the door, I heard the man say from the trunk, 'I wonder what would happen if I cut this little wire. Do you think it'd work then?' The kid urged him on 'Cut it, Dad. Cut the wire.' Then the wife got into it, saying, 'Don't you dare cut up your father's car. He'll never forgive you.' Well, you can imagine the scene. All three of them were simultaneously yelling one thing and another at each other: 'I think I'll cut it.' 'Cut it, Dad.' 'Don't you dare!' over and over and over.

"When the guy hollered, 'Now you did it! You broke it again.' With that, the kid ran for the house yelling, 'I'll get the Super Glue.' The man yelled after him, 'What I oughta do is just pull the fuse and leave it unlocked.' Then the kid ran back yelling about how if the car was left unlocked somebody would steal his bike, and the woman started crying over the idea of losing some of her stuff that was in the boxes, and mass confusion started all over again. I'm telling you, it was a madhouse."

"No doubt, you heard even more yelling when you presented your bill. For all the time you were gone, it must have cost them an arm and a leg."

"As a matter of fact, I only charged for one opening and wished the poor fellow a Merry Christmas. I figure, considering the kind of problems that guy has to live with, he could use a little kindness from strangers, along the way."

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The National Locksmith

BEGINNER'S CORNER

Impressioning The Master Padlock



by
Eugene Gentry

If you can impression a blank key in a lock to make a working key, you have come a long way to becoming a successful locksmith. If you don't know how to impression, or if it is difficult to see the impression marks, keep learning and practicing until you become proficient.

One of the locks that can not be easily impressioned is the sidebar lock which is on GM. products and some Fords. The reason for this is that a lock has to bind to make visible marks on the blank key. The side bar does not provide the typical binding action we are familiar with.

Locks that can be easily impressioned are warded locks, pin tumbler, some auto locks, desk and cabinet locks, wafer tumbler and others. Many of the padlocks and cabinet locks are not designed to be taken apart, so, without a code number, about the only way you can make a key is by impressioning.

Files are an important part of impressioning, and experienced locksmiths have their own preferences of files. I use a flat fine cut file to dress the top of the blank before starting to impression. To make the cuts, I use a fine cut round taper file, an impressioning file, and a flat warded file for cutting steel blanks. (*See photograph 1.*) When filing the cuts on certain types of locks, I switch between the round file and impressioning file. Sometimes I can see the impression marks better with one file than the other. (*See photograph 2.*) Notice the taper on the impressioning file. It conforms to the taper of the cut. This file was purchased from Foley Belsaw , catalog number LDH5746720.

The keyblank has to be held by some means in order to impression. You can use a 4" vice grips or an impressioning vice grips. (*See photograph 3.*) I like the impressioning vice grips better because the grips are flat and seem to hold the key tighter. The regular vice grips have a smaller holding area, with teeth, which leave marks on the blank.



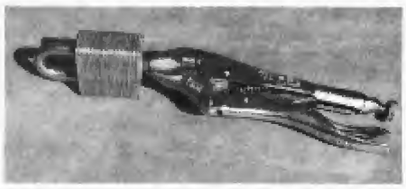
1. Here are some samples of files usd for impressioning.



2. An impressioning file will have a taper that resembles a key cut.



3. While either type of vice grip can be used the impressioning vice grip (top) has a larger, smoother grip area that holds well and does not mark the key.



4. Impressioning the Master lock.

Let's impression a Master Padlock. (*See photograph 4.*) This one has a code number, but it is not listed in the code book. Select a Master Ml keyblank and adjust the vice grips so the key fits firmly in the grip. First file a notch on the bottom of the blade at the point where it hits on the rim on the case. This will allow more movement of the blank when impressioning. (*See photograph 5.*)



5. File notch for better movement in lock

Next, dress the top of the key blade with a fine, flat file to remove all imperfections. To obtain the spacing you can match the blank with a spacing key or a pre cut key, or you can insert the blank in the keyway and turn it in both directions to get the marks for spacing. Pull the keyblank straight down and turn it to the right to bind the pins, then move it up and down several times. Now turn the blank straight up then to the right to bind the pins, and move it up and down, again. This procedure will bind both the front and rear pins.

When we remove the blank, there

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LETTERS

Continued from page 8

that the industry is being subverted by corporations that have little regard for the industry as we have known it. Again, we feel the answer is a cohesive, concerted effort by all of those with a vested interest in the industry. At the present time, ALOA has a public relations program in place. The National Locksmith Suppliers Association has created the Security Professional Council that is dedicated to public education. Associations such as our own are struggling to get the word out, but they are independent efforts with limited resources. We feel the potential of resource pooling, fund matching, and fund raising would be worth investigation.

We invite your thoughts and comments.

R.W. Staples, CML
Washington

Field Manual Instead Of Licensing

Dear Marc:

Licensing! We all talk about it. But the one thing I haven't heard mentioned is the need for a field manual.

The National Locksmith's Flat Rate Manual has stopped customers from complaining about over charging. A field manual may do the same for licensing.

Bell Telephone's field manual is a good example. It shows the organization and scope of the company. A similar locksmith magazine may keep others from saying lets make a law. This way we can keep our independence; by making the rules that we know are needed.

The manufacturers, distributors and locksmith associations would all be able to contribute.

This detailed manual could be available at the association level.

Casimier R. Cherry
Michigan

TECHNITIPS

Continued from page 18

cylinder, push in on the shim pick, and rotate the plug counterclockwise approximately 45 degrees, to remove the cylinder assembly. With the cylinder assembly out of the outside knob, remove the small square actuator with a pair of needle nose pliers. This will leave the large square knob spindle in the lockset. Use a magnetic screw driver to withdraw the knob spindle approximately on inch . When the spindle clears the inside knob locking mechanism, it is a simple matter to turn the outside knob and open the "still locked" door.

Of all the possible "fixes" for this malfunction, the most professional and by far the most reliable, is to combinate a new lockset to the customers key and install the new lock.

Brad MacKenzie
Ohio

This Technitip is a method I used to remove a broken key from an aluminum store door cylinder. This was a Schlage C keyway cylinder. The key was broken off flush with the face of the plug. The key filled the keyway, preventing insertion of a key extractor, and tweezers were of very little use, because the broken piece was flush with the face of the lock. I noticed that the bottom of the keyway, being open, allowed access to the back of the key, but very little. I used a #55 drill bit, in a pin vise, to drill a tiny dimple into the bottom if the broken key blade. This allowed me to insert the tip if a sharp scriber into the dimple and lever the broken key out slightly. A second sharp scriber, from the side of the key blade, was used to hold the key in place until the first scriber could gain a second bite on the key. A couple of wiggles of the key, and the broken piece popped right out. This made the customer and myself very happy.

David Goldberg
California

WASP MANIPULATION

Continued from page 151

Thanks LeRoy Edenburn Enterprises for sending the dialing aids and the magnetic dial rings, both forward and backward models. I will use these in a forthcoming article on dial reading transferring and non-numeric relocation of combination numbers. OPEN & PROSPER!!!

For more information on the WASP, contact LeRoy Edenburn Enterprises at 57 N. Huron St., Ypsilanti, MI 48197, 313-2444.

BITS & PIECES

Continued from page 177

is running a contest to highlight those locksmiths that maintain effective, professional and attention-getting locksmith stores.

Three first prize winners will be selected. The winners will receive free Pro Series™ padlocks worth $500.00 and have the store featured in a Master Lock ad.

All you need to do is send at least one color photograph of the exterior of your shop and one interior shot. Up to six photographs can be sent.

Entry deadline is January 31, 1994. To obtain an entry form or more information, write to Master Lock at 21001 Watertown Rd., Suite 200, Waukesha, WI 53186. Or call (414) 789-1565, fax (414) 789-1569.

BEGINNER'S CORNER

Continued from page 179

are three marks, one is easy to see, the other two very faint. In order to see the marks, turn the blank in various directions to the light. I wear magnifying goggles to see better.

File on the heavy mark first, going down to the number one depth. Place the blank in the padlock again, and follow the same method. This time we

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see four marks, and have the correct spacing. (*See photograph 6.*)



6. While hard to see here, there are four impression marks on this keyblade.

From this point on, it is a repetition of inserting the blank, putting tension on the blank so the pins will bind, and moving the blank up and down. Remove the blank and turn it in various positions in a bright light until the impression marks are visible.

Never file where there is no mark. As you file the cuts, be sure to smooth any peaks between the cuts. The peaks will hang up on the pins as you insert and pull out the blank.

As you progress with the filing, you will see that some of the cuts have stopped marking. These should be at the correct depth. If it appears that the key is about to open the lock, don't force it open. This might cause the key to bind in the lock and you will not be able to remove it. Instead, file very lightly at the



7. A finished key.

impression marks until the key turns freely to open the lock.

Try to make the finished key as neat and professional looking as possible. (*See photograph 7.*) If you have altered the impressioned key, make a duplicate to give to the customer.

If you make an error by filing too deep on one or two cuts, you can correct it by making a duplicate of the correct cuts, and trying again to impression cuts that are deeper.

So, keep up the practice, and try to impression some of the cars and padlocks that are available.

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